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THE
PHARMACAL
CALENDAR
FOR
1892.

Being an Exhibit of Pharmacy in the United States
as related to

COLLEGES, ASSOCIATIONS

AND

PHARMACY LAWS,

TOGETHER WITH

Synopses of Drugs, with their Strengths,
Doses and Synonyms,

BY

C. S. HALLBERG.

Chicago.

PRICE: ONE DOLLAR.

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TO THE PHARMACISTS OF AMERICA.

Colleagues:

For many years I have felt the desire to have in a form convenient for reference, a synopsis of the events for the year, together with an exhibit of the various Colleges, Pharmacy Laws, etc. I have undertaken the compilation, and trust that it may prove of sufficient value to be continued annually.

Thanking my numerous friends for their assistance in bringing up the events during [the year as far as practicable to date, I beg to request their active co-operation in order to make the Calender for 1893 still more complete in all that pertains to associated interests in Pharmacy.

It will be our endeavor to incorporate in each successive issue of the Calendar not only associated work, but also add to its usefulness by extending the reference lists so as to represent a vade mecum to the busy pharmacist.

Very truly,

C. S. HALLBERG.

358 Dearborn St., March 1, 1892.

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SYNOPSIS OF CONTENTS.

Associations, Pharmacal—

American.....	32
Constitution and By-Laws.	36
State, Officers	48
State, Committees and Delegates.....	52
National Wholesale Drug.....	83
Proprietors and Dealers.....	85
Interstate Druggists' League.....	86

Associations, Medical—

American ..	88
State, Officers, etc.....	90

Associations, Miscellaneous—

American, Chemical.....	89
American Microscopical.....	89
American Advancement of Science....	89

Calendars—

Pharmacal Events..	2
Meetings, Pharmacal Associations.....	51
Meetings, Pharmacy Boards.....	73
Meetings, Medical Associations.....	90
Chronological Events in pharmacy, chemistry and related sciences.....	163

Colleges, Pharmacy—

Table, Organization, etc..	14
Requirements, etc.	16
Faculties and Officers.....	20

Colleges—

Medical, list of..	92
Veterinary	96

Committee of Revision of the U. S. Pharmacopœia.....

Pharmacy Boards—

Officers and Members.....	70
Meetings of.....	73

Pharmacy Laws—

Organization and Duties of Boards..	74
Requirements for Registration.....	76
Exemptions and Penalties.	78

The Metric System.....

Posological Scheme.....

Posological Tables.....	98
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List of Vegetable Drugs..

List of New Remedies

List of Organic Chemicals.

List of German Synonyms

Urinalysis.

1892


	S	M	T	W	T	F	S
Jan'y	...	...	...	...	...	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	...	...	...	...	...	...
Febr'y	...	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	...	...	...	...	...

March	...	...	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	...	...

April	...	...	...	...	...	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30

May	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	...	...	...	...

June	...	...	...	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	...	...

	S	M	T	W	T	F	S
July	...	...	...	...	...	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	...	...	...	...	...	...
August	...	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	...	...	...

Sept'r	...	...	...	...	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	...

October	...	...	...	...	...	...	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	...	...	...	...	...
Novem.	...	...	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	...	...	...

Decem.	...	...	...	...	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

JANUARY, 1892.

PHARMACAL EVENTS.

1 Fr

2 Sa

3 S

4 M Mo. P. B., St. L.; R. I. P. B., Prov.

5 Tu Ia. P. B. Des Moines, Oskaloosa, Davenport, Bloomfield; Mass. P. B.

6 W S. Dak. P. B., Watertown.

7 Th

8 Fr

9 Sa

10 S

11 M Cal. P. B., Sacramento; Ohio P. B., Cln.

12 Tu Ala. P. B., Montgomery; Ill. P. B., Springfield; Ky. P. B.

13 W Cal. P. B., S. F.

14 Th

15 Fr

16 Sa

17 S

18 M

19 Tu Minn. P. B., St. Paul.

20 W Wis. P. B.

21 Th N. J. P. B., Trenton.

22 Fr

23 Sa

24 S

25 M

26 Tu Kings Co. P. B.

27 W N. H. P. B.

28 Th

29 Fr

30 Sa

31 S

Pharm. Associations designated P. A.

Pharm. Boards designated P. B.

FEBRUARY, 1892.

PHARMACAL EVENTS.

1 M R. I. P. B., Providence

2 Tu Ioa. P. B.

3 W

4 Th

5 Fr

6 Sa

7 S

8 M

9 Tu Neb. P. B., Omaha.

10 W Ark. P. B.; La. P. B.; Me. P. B.; Neb. P. B., Lincoln.

11 Th

12 Fr

13 Sa

14 S

15 M

16 Tu Ills. P. B., Chicago.

17 W

18 Th N. J. P. B., Newark.

19 Fr N. Y. P. B.

20 Sa Col. P. B.

21 S

22 M

23 Tu Kings. Co. P. B., Brooklyn, N. Y.

24 W

25 Th

26 Fr

27 Sa

28 S

29 M

MARCH, 1892.

PHARMACAL EVENTS.

1 Tu Conn. P. B., Hartford; Ia. P. B.; Mich. P. B.
2 W
3 Th
4 Fr
5 Sa

6 S
7 M R. I. P. B., Prov.
8 Tu Ohio P. B., Columbus; Ky. P. B., Louisville.
9 W Kan. P. B., Concordia.
10 Th
11 Fr
12 Sa

13 S
14 M
15 Tu Ills. P. B., Spfld.; Va. P. B.; N. C. P. B., Raleigh.
16 W
17 Th N. J. P. B., Jersey City.
18 Fr
19 Sa

20 S
21 M
22 Tu
23 W Wis. P.
24 Th
25 Fr
26 Sa

27 S
28 M
29 Tu Kings Co. P. B., Brooklyn.
30 W
31 Th

APRIL, 1892.

PHARMACAL EVENTS.

1 Fr
2 Sa

3 S
4 M R. I. P. B., Prov.
5 Tu Conn. P. B., Hartford; Ioa. P. B., Mo. P. B., K. City.
6 W So. Dak. P. B., Sioux Falls.
7 Th
8 Fr
9 Sa

10 S
11 M
12 Tu Fla. P. A., St. Augustine; Ills. P. B. Chle.; Ky. P. B.,
Ala. Ga. La. Tenn., Med. Asso.
13 W La. P. A., New Orleans; Me. P. B.
14 Th
15 Fr
16 Sa

17 S
18 M
19 Tu Cal. Med. Asso.; Minn. P. B., St. Paul.
20 W Miss. Med. Asso.
21 Th N. J. P. B., Camden.
22 Fr
23 Sa

24 S
25 M
26 Tu Kings Co. P. B.; Md. Tex. Med. Asso.
27 W N. H. P. B.
28 Th
29 Fr
30 Sa

MAY, 1892.

PHARMACAL EVENTS.

- 1 S
 2 M Oklah. P. B.; R. I. P. B., Prov.
 3 Tu Ioa P. B.; Mass. P. B.; Kans., Ky., Mich., Ohio Med.
 Assoc.
 4 W
 5 Th Del. P. A., Wilmington.
 6 Fr
 7 Sa
- 8 S
 9 M Wash. P. A., Seattle; Ga. P. B.; Ohio P. B., Columbus.
 10 Tu Ala., Ga., Tex. P. Assoc.; Mobile, Columbus, Waco;
 ' Neb. Med. Assoc.
 11 W La. P. B.; Neb. P. B.
 12 Th Ills. P. B., Sp.; Ind. Med. Assoc.
 13 Fr Ala. P. B., Mobile.
 14 Sa
- 15 S
 16 M
 17 Tu Kans. P. A., Ka's City, Kas.; N. Y. P. A., Syracuse,
 Ioa., Mo., Med. Assoc.
 18 W Ky. P. A., Carrollton; N. J. P. A., Plainfield.
 19 Th Ills. Med. Assoc.
 20 Fr Fla. P. B., Jack'ville.
 21 Sa Col. P. B.
- 22 S
 23 M
 24 Tu N. C. Med. Assoc.
 25 W Conn. Med. Assoc.
 26 Th
 27 Fr No. Dak. Med. Assoc.
 28 Sa
- 29 S
 30
 31 Tu Kings Co. P. B.

JUNE, 1892.

PHARMACAL EVENTS.

- 1 W
 2 Th Ark., R. I., Med. Asso.
 3 Fr
 4 Sa
- 5 S
 6 M Am. Med. Assoe. Detroit, Mich.
 7 Tu Ills., Neb. P. Assoc.; Springfield, Ills., Grand Island,
 Neb.
 8 W Conn. P. B.; Me. P. B., Ky. P. B.
 9 Th Oregon Med. Assoe.
 10 Fr Maine, Mass., So. Dak. Med. Assoc.
 11 Sa
- 12 S (Gala Week.)
 13 M
 14 Tu Ioa., Minn., Mo., Ohio, Penn., P. Assoe.
 Davenport, Duluth, Excels. Springs
 Canton, Susquehanna Heights, Pa.
 Ills. P. B., Chica.; Del. Med. Assoc.
 15 W Minn. Med. Assoc.
 16 Th N. J. P. B. Newark.
 17 Fr Penn. Med. Assoc.
 18 Sa
- 19 S
 20 M N. H. Med. Assoe.
 21 Tu Colo. Med. Assoc.
 22 W
 23 Th N. J. Med. Assoc.
 24 Fr
 25 Sa
- 26 S
 27 M
 28 Tu Kings Co. P. B.
 29 W
 30 Th -

JULY, 1892.

PHARMACAL EVENTS.

1 Fr

2 Sa

3 S

4 M

5 Tu Ioa. P. B.; Mich. P. B.; Mo. P. B., Sedalia

6 W So. Dak. P. B., Huron.

7 Th

8 Fr

9 Sa

10 S

11 M

12 Tu Ills. P. B., Springfield.

13 W R. I. P. A., sem.-an., Providence.

14 Th **Am. Pharm. Assoc.**

15 Fr White Mountains, N. H., Profile House.

16 Sa

17 S

18 M

19 Tu Minn. P. B., St. Paul.

20 W Adjournment A. P. A.

21 Th N. J. P. B., Newark.

22 Fr

23 Sa

24 S

25 M

26 Tu Ohio P. B., Toledo.

27 W N. H. P. B.

28 Th

29 Fr

30 Sa W. Va. P. B., Wheeling.

31 S

AUGUST, 1892.

PHARMACAL EVENTS.

- 1 M
- 2 Tu Ioa. P. B.; N. Dak. P. A., Fargo.
- 3 W
- 4 Th Colo. P. A., Denver.
- 5 Fr
- 6 Sa

- 7 S
- 8 M
- 9 Tu Wis. P. A., Oshkosh; Ky. P. B.
- 10 W N. Carol. P. A. & P. B., Raleigh; Ark. P. B., La. P. B.
Me. P. B., Neb. P. B.
- 11 Th
- 12 Fr
- 13 Sa

- 14 S
- 15 M
- 16 Tu So. Dak. P. A., Sioux Falls; Ills. P. B., Chic.
- 17 W
- 18 Th N. J. P. B.
- 19 Fr
- 20 Sa Col. P. B.

- 21 S
- 22 M
- 23 Tu
- 24 W
- 25 Th
- 26 Fr
- 27 Sa

- 28 S
- 29 M
- 30 Tu
- 31 W

SEPTEMBER, 1892.

PHARMACAL EVENTS.

1 Th
2 Fr
3 Sa

4 S
5 M R. I. P. B., Providence.
6 Tu Mass., N. H. P. Assoc.; Conn. P. B.
7 W
8 Th Springfield, Mass.; Keene, N. H.
9 Fr
10 Sa Md. P. A., Baltimore.

11 S
12 M Va. Med. Assoc.
13 Tu Va. P. A., Fredericksburg; Ills. P. B., Springfield.
14 W
15 Th N. J. P. B., Trenton.
16 Fr
17 Sa

18 S
19 M
20 Tu
21 W
22 Th
23 Fr
24 Sa

25 S
26 M
27 Tu Kings Co. P. B.
28 W
29 Th
30 Fr

OCTOBER, 1892.

PHARMACAL EVENTS.

1 Sa

2 S

3 M Mo. P. B., St. Louis; R. I. P. B., Providence.

4 Tu Ioa. P. B., Mass. P. B.

5 W So. Dak. P. B., Mitchell.

6 Th

7 Fr

8 Sa

9 S

10 M Ohio P. B., Cleveland; Ky. P. B.

11 Tu

12 W Inaugural ceremonies of the World's Columbian Exposition at Chicago.

13 Th

14 Fr Mississippi Valley Med. Assoc.

15 Sa

16 S

17 M

18 Tu Ills. P. B., Chicago; Va. P. B., Richmond; Minn. P. B. St. Paul.

19 W

20 Th N. J. P. B., Paterson.

21 Fr

22 Sa

23 S

24 M

25 Tu Kings Co. P. B.

26 W N. H. P. B.

27 Th

28 Fr

29 Sa

30 S

31 M

NOVEMBER, 1892.

PHARMACAL EVENTS.

1 Tu Ioa. P. B.; Mich. P. B.

2 W

3 Th

4 Fr

5 Sa

6 S

7 M R. I. P. B., Prov.

8 Tu

9 W Ark. P. B.; La. P. B.; Neb. P. B.

10 Th

11 Fr

12 Sa

13 S

14 M Vermont Med. Assoc.

15 Tu Ills. P. B. Sp.; N. Y. Assoc. Med. Assoc.

16 W S. C. P. A., Charleston.

17 Th N. J. P. B., Newark.

18 Fr

19 Sa Col. P. B.

20 S

21 M

22 Tu

23 W

24 Th

25 Fr

26 Sa

27 S

28 M

29 Tu Kings Co. P. B.

30 W

DECEMBER, 1892.

PHARMACAL EVENTS.

1 Th

2 Fr

3 Sa

4 S

5 M R. I. P. B., Prov.

6 Tu Conn. P. B., Hartford; Ioa. P. B.

7 W

8 Th

9 Fr

10 Sa

11 S

12 M

13 Tu Ills. P. B., Chic.

14 W Me. P. B.

15 Th N. J. P. B., Newark.

16 Fr

17 Sa

18 S

19 M

20 Tu

21 W

22 Th

23 Fr

24 S

25 S

26 M

27 Tu Kings Co, P. B.

28 W

29 Th

30 Fr

31 Sa

INSTITUTIONS TEACHING PHARMACY IN NORTH AMERICA.

WITH REFERENCE TO ORGANIZA-
TION, COURSES, ETC.

COLLEGES OF PHARMACY,

Conducted by Pharmaceutical Associations.

NAME AND LOCATION.	FORM OF ORGANIZATION.	NUMBER OF SESSION.	NUMBER OF WEEKS.	NUMBER OF GRADUATES.	NUMBER OF INSTRUCTORS.
Brooklyn, N. Y.	Association.....	2	28	.....	7
Buffalo, N. Y.	Assoc. (Univ., Buf- falo).....	5	28	100	7
California, San Francisco.....	Assoc. (Univ., Cal.).....	20	28	200	5
Chicago, Ill.	Association.....	33	28	80	7
Cincinnati, Ohio.	Asso. (Univ., Cin.)	22	28	300	7
Cleveland, O. .	Association.	11	22	.....	3
Kansas City, Mo.	.....	7	20	30	5
Louisville, Ky. .	Association ²	22	20	200	4
Maryland, Balti- more	Association.	42	23	600	4
Massachusetts, Boston	Association.	26	32	225	7
Ontario, Toronto.	Association ²	13 ⁴	14	.....	4
Montreal, Can. .	Association.....	25	24	150	4
National, Wash- ington, D. C. .	Association	21	28	200	6
New York, N. Y.	Association ¹	64	28	1,500	7
Philadelph., Pa...	Association.	72	26	2,500	7
Pittsburg, Pa.	Association.....	15	20	125	4
St. Louis, Mo.	Association.....	27	24	500	5

. DEPARTMENTS OF STATE UNIVERSITIES,
Under direction of State Pharm. Assoc.

NAME.	DEPARTMENT OF.	NO. OF SESSION—'92-'93.	NO. OF WEEKS.	NO. OF GRADUATES.	NO. OF INSTRUCTORS.
Iowa, Iowa City...	Univ. of Iowa...	8	24	25	5
Kas., Lawrence...	Univ. of Kansas	7	36	60	5
Mich., Ann Arbor	Univ. of Mich...	25	36	600	9
Minn., St. Paul ..	Univ. of Minn...	'92-'93	—	—	—
Ohio, Columbus...	Ohio State Univ	—	28	—	5
Wis., Madison ...	Univ. of Wis..	10	28	100	5

PRIVATE SCHOOLS AND COLLEGES AFFILIATED WITH
SECTARIAN AND OTHER INSTITUTIONS:

NAME.	DEPARTMENT OF.	NO. OF SESSION.	NO. OF WEEKS.	NO. OF GRADUATES.	NO. OF INSTRUCTORS.
Albany, N. Y....	Union Univ...	12	24	150	4
Atlanta, Ga....	Atlan. Med. Col.	1 '91-2	—	—	3
Cornell, Ithaca, N. Y. ...	Cornell Univ...	1 '87-8	36	—	—
Denver, Colo...	Univ. of Denver	5	28	—	4
Detroit, Mich...	Det. Col. of Med.	1-'91-2	—	—	5
Howard, Wash., D. C.	Howard Univ	2-'91-2	26	—	3
Illinois, Chicago	N'hwst. Univ. ²	11	23	200	7
Louisv'e, women	Corporation	9	16	—	4
Meharry, Nash.	Cent. Tenn. Col.	4	20	—	5
O. Normal, Ada.	O. Nor Univ. ³	2	10	30	3
O. Nat'l Normal	Univ. Lebanon, Ohio..... ³	—	10	—	3
Oregon, Portl'd.	W'mette Univ	5	24	—	5
Purdue, La Fayette, Ind....	Purdue Univ ..	9	25	100	6
Seio, Ohio. ...	Seio College... ³	2-'91-2	20	—	4
Tulane, New Or.	Tulane Univ....	3	28	—	3
V'ndero't, Nash-ville, Tenn ..	V'nderbilt Univ ²	12	18	100	4

NOTES OF REFERENCE.—For Office Facilities, rs, etc., see following pages:

1. Affiliation with University, but governed by Pharmaceutical Associations.
2. Two consecutive terms in the year—one course.
3. Four consecutive terms in the year—one course.
4. Candidates examined by State Association Examining Board and Licensed.

TABULAR EXHIBIT OF INSTITUTIONS TEACHING PHARMACY IN NORTH AMERICA.

With reference to Requirements for Admission and Graduation.
 REQUIREMENTS FOR—

NAME.	ADMISSION— Qualification.	GRADUATION.												
		AGE—Years.	EXPERIENCE IN PHARMACY—Years.	LECTURES—No. per week.			LABORATORIES.			THESES.	FEES—Total.	COURSES REQUIRED.	DEGREES.	
				BOTANY—Material Medica.	CHEMISTRY.	PHARMACY.	CHEMICAL.	BOTANICAL.	PHARMACAL.					
Albany.....	High School Ent.	11	4	1	1	1	+		+	+	60	+		Ph. G.
Atlanta.....	—	11	4	1	1	1	+				45			Ph. G.
Brooklyn..	High School Ent.	11	4	1	1	1	+	+	+	+	55	+		Ph. G.
Buffalo.....	—	11	4	1	1	1	+	+	+	+	60			Ph. G.
California....	High School Ent.	11	4	1	1	1	+	+	+	+	65	+		Ph. G.
Chicago.....	—	11	4	1	1	1	+	+	+	+	80	+		Ph. G.
Cincinnati..	—	11	4	1	1	1	+	+	+	+	20	+		—
Cleveland. .	High School Ent.	12	4	1	1	1	+	+	+	+	60	+		Ph. G.
Denver.....	"	11	4	1	1	1	Sen. & Jun. jointly.	+	+	+	60	+		Phar. D.
Howard.....	"	11	4	1	1	1	Sen. & Jun. jointly.	+	+	+	60	+		Phar. D.

[illegible]

NOTES OF REFERENCE to Colleges—

FEEs.—Graduation and matriculation fees included in: Chicago, Ill.; Kansas (residents no fees); Michigan—Matric. 25, resid., 10; Senior: Ky.

COURSES REQUIRED.—Consecutive in one year: Ill., Ky., Ont., four terms consec., Ohio Nor., Seio: Ohio Nat. Normal. DEGREES.—Phar. D., by Ill., Maryland; Ph. Master, by Maryland, Mich., Philadelphia, Vanderbilt, Wis.; Ph. C., Mich., Seio.

ADMISSION.—Grammar school certificates for entrance to high school accepted in most cases in lieu of examination; also certificates from academies and colleges; Ontario, apprentices must be registered. Philadelphia, candidates required to attain average in periodical examination.

AGE.—In all cases diploma is withheld until candidate is of age.
EXPERIENCE.—"Certificate of Proficiency" granted those engaged in wholesale and manufacturing houses, Albany, Brooklyn, Buffalo, Cal., Cin., Cleve., Ky., Md., Oregon, Pittsburg, Philadelphia.

LECTURES.—Black type indicates evening—Ky., both day and evening; Philadelphia, Saturdays P. M.; Albany 1½ to 2 hours each lecture; Howard not graded; N. Y., 1 lect. Physics and Org. Chem.; Ont., two consecutive terms 16 weeks each.

Home Study— Lectures semi- monthly by mail	National Institute Pharmacy, Chicago. C. S. Hallberg, Director.	One course. Two terms. 6 months each.	First term, Pharmacy. Second term, Botany, Mat. Med. and Chemistry.	Term I, \$8 00 Course, 15 00
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+ This *plus* mark indicates that in each instance the particular provision governing the column in which it appears is a requirement.

— The *minus* mark indicates conversely that such provision is *not* required.
The figures in heavy, black type in the Lecture columns indicate that Lectures are given in the evening.
The absence of any marks or figures in columns indicates that the information was not obtainable.

THE METRIC SYSTEM.

THE METRIC SYSTEM OF WEIGHT AND MEASURE.

METRIC WEIGHTS.

		<i>Equivalents.</i>	
<i>Abbrev.</i>		<i>Exact.</i>	<i>Approx.</i>
		Grains.	Grains.
1 =1 Gram,	Gm ..	=15.432.....	15
.1 =1 decigram,	deg., or dg.....	= 1.543....	1½
.01 =1 centigram,	entg., or cg.....	= 0.154.....	1⁄6
.001=1 milligram,	mg. ..	= 0.015	1⁄60
		Grains.	
1.=1 Gram,	Gm.....	= 15.432...1⁄4	drams
10.=1 Dekagram,	Dg	= 154.32 ...2½	"
100.=1 Hectogram,	Hg., or Hecto	= 1543.2 ...3½	av. ozs
1000.=1 Kilogram,	Kg., or Kilo...	= 15432. ...2¼	av. lbs.
10000.=1 Myriagram,	Mg	=154320. ...22	av. lbs.

EQUIVALENTS OF APOTH. AND TROY.

	<i>Exact.</i>	<i>Approx.</i>
1 grain.	=0.0648	0 06
3 grains.....	=0.1944.....	0.2
5 grs.....	=0.3240.....	0.3
10 grs ..	=0.6480... ..	0 6
15 grs..	=0.97 0.	1.
60 grs.....	=1 dram...=	4 Grams
437.5 grs.....	=1 av. oz...=	28 "
480 grs.....	=1 Troy oz.=	32 "

MEASURE OF CAPACITY.

<i>Weight of</i> <i>Water, 4° C :</i>	<i>Metric</i> <i>measure:</i>	<i>Equivalent in</i> <i>U. S. measure.</i>
1 Kilogram.....=1	Liter . =1000 C.c	=34 fl. ozs.
1 Hectogram....=1	deci-liter=100 C.c	=27 fl. drams
1 Dekagram ....=1	centi-liter=10 C.c	=2½ fl. drams
1 Gram	Cubic Centimeter	=15 minims
0.1 Gram .. ...=0.1	C.c.....	=1½ minims

EQUIVALENTS OF U. S. MEASURE.

Water.

1 Minim ..	= 0.06... ..	= 0.06 Cubic centimeter
3 min.....	= 0.2	= 0.2 C.c.
5 min ..	= 0.3	= 0.3 C.c.
10 min... ..	= 0.6	= 0.6 C.c.
16 min.....	= 1.	= 1. C.c.
60 min. 1 fl. dr	= 3.5 ..	=3½. C.c.
64 min ..	= 4.	= 4. C.c.
120 min. 2 fl. drs.	= 7 5	=7½. C.c.
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Faculty—L. C. Garland, LL. D., Chancellor.*Professors*—Botany and Mineralogy, J. M. Safford, M. D., Ph.D; Chemistry, William L. Dudley, M. D.; Chemistry, J. T. McGill, Ph.D., Ph.G.*Assistants*—E. A. Ruddiman, Ph. M.; W. H. Hollingshead, Ph G.; R. L. Johnson, B. E.; Paul M. Jones, B. S.*Address*—WILS WILLIAMS, Secy, Nashville, Tenn.**WISCONSIN (DEP'T UNIV. WISCONSIN, MADISON.)***Faculty*—Thomas C. Chamberlin, Ph. D. LL. D., President of the university.*Professors*—Pharmacy and Materia Medica, Edward Kremers, Ph G., Ph. D.; Chemistry, Wm. W. Daniells M. S.; Botany, Charles R. Barnes, A. M., Ph.D.*Assistants*—Homer W. Hillyer, Ph. D.*Address*—PROF. EDW. KREMERS, Madison, Wis.**OPENING OF COLLEGE TERMS.**

The terms of the various colleges begin generally, according to the number of weeks in each term and whether more than one term is given during the year, approximately as follows:

SEPTEMBER, third or fourth week: Departments of State Universities which close in April and June respectively. Colleges having 20 week terms which close late in February or begin a second term, first or second week in March.

OCTOBER 1, or first week: Colleges having terms of 24 to 28 weeks which close the third week in March or April respectively.

OCTOBER 15: Colleges having terms of 20 weeks.

APRIL, first week: San Francisco has its term during the summer months, this period being best adapted for the Pacific Coast.

The 4-terms-a-year institutions have one term before the holidays and the other three following in rapid succession with vacation from July 15 to Sept. 15.

AMERICAN PHARMACEUTICAL ASSOCIATION.

FORTIETH ANNUAL MEETING, JULY 14-22, 1892,
PROFILE HOUSE, WHITE MOUNTAINS, N. H.

OFFICERS 1891-1892.

President. Alex. K. Finlay, New Orleans, La.
First vice-president... Geo. J. Seabury, New York, N. Y.
Second " W. H. Torbert, Dubuque, Ia.
Third " L. T. Dunning, Sioux Falls, S. Dak.
Treasurer..... Samuel A. D. Sheppard, Boston, Mass.
Secretary, permanent John M. Maisch, Philadelphia, Pa.
" local..... H. M. Whitney, Lawrence, Mass.
Reporter of Progress of Pharmacy... Chas. Rice, New York,
N. Y.

STANDING COMMITTEES.

Commercial Interests.

W. H. Torbert (Chm.).....	Dubuque, Ia.
Arthur Bassett (Sec'y.), De-	Charles Holzhauser, Newark,
troit, Mich.	N. J.
Chas. M. Ford, Denver, Col.	Geo. L. Hechler, Cleveland,
	Ohio.

Scientific Papers.

C. S. N. Hallberg (Chairman).....	Chicago, Ill.
H. W. Snow (Sec'y.), Detroit,	J. N. Hurty, Indianapolis, Ind.
Mich.	

Prize Essays.

A. B. Prescott (Chm.),.....	Ann Arbor, Mich.
H. M. Whelpley, St. Louis, Mo.	Henry Trimble, Phila., Pa.
	Pharm. Education and Legislation.
A. B. Stevens (Chm.),.....	Ann Arbor, Mich.
L. C. Hogan (Sec'y.), Chicago, Ill.	John Kochan, Denver, Colo.

Revision of the U. S. Ph.

H. M. Whelpley (Chm.),.....	St. Louis, Mo.
H. P. Reynolds, Plainfield,	Edward V. Zoeller, Tarboro,
N. J.	N. C.
Ed. W. Runyon, San Fran-	Henry Canning, Boston, Mass.
cisco, Cal.	

Special Committees.

International Pharmaceutical Congress.

Oscar Oldberg (Chm.),.....	Chicago.
E. H. Sargent,	L. C. Hogan,
D. R. Dyche,	C. S. N. Hallberg, Chicago.
A. E. Ebert,	

The President and permanent Secretary of the Association, ex-officio.

Arrangements.

H. M. Whitney (Chm.),	Lawrence, Mass.
E. L. Patch, Boston, Mass.	E. A. Robinson, Lowell, Mass.
Chas. G. Goodwin, Boston.	F. H. Butler, Lowell, Mass.
Chas. S. Foss, Portland, Me.	E. A. Richardson, Burlingt'n, Vt.

Delegates National Wholesale Drug Association.

Wm. S. Thompson (Chm.),	Washington, D. C.
T. J. MacMahan, New York.	John F. Patton, York, Pa.
Jas. T. Shinn, Philadelphia.	Henry Canning, Boston, Mass.

National Formulary.

C. Lewis Diehl (Chm.),	Louisville, Ky.
C. S. N. Hallberg, Chicago.	C. T. P. Fennel, Cincinnati, O.
G. H. C. Klie, St Louis, Mo.	Adam Courath, Milwaukee.

And the following representatives of State (or District) Pharmaceutical Associations:

Ala., Phil C. Candidus, Mobile.	Mich., A. B. Stevens, Ann Arbor.
Ark., John B. Bond, Little Rock.	Minn., F. F. Stark, Minneapolis.
Cal., Val. Schmidt, San Francisco.	Miss., Jas. A. Shell, Aberdeen.
Col., Chas. M. Ford, Denver.	Mo., J. M. Love, Kansas City.
Col. Dist., H. E. Kalusowski, Washington.	Neb., Chas. L. Mullen, Manley.
Conn., Chas. A. Rapelye, Hartford.	N. H., M. S. Woodman, West Lebanon.
Del., F. R. Smith, Wilmington.	N. Jersey, Charles B. Smith, Newark.
Fl., J. M. Dixon, Titusville.	N. York, George B. Wray, Yonkers.
Ga., Geo. D. Case, Milledgeville.	Nor. Carol., E. V. Zoeller, Tarboro.
Ill., R. E. Rhode, Chicago.	Nor. Dak., E. C. Maxcey, Fargo.
Ind., G. W. Sloan, Indianapolis.	Ohio, J. A. Nipgen, Chillicothe.
Iowa, Geo. H. Schafer, Fort Madison.	Oregon
Kan., Lucius E. Sayre, Lawrence.	Penn., Chas T. George, Harrisburg.
Ky., Ed. C. Pfingst, Louisville.	R. I., E. A. Calder, Providence.
La., R. N. Girling, New Orleans.	S. Carol., Cas. F. Panknin, Charleston.
Me., N. S. Harlow, Bangor.	S. Dak., G. W. Lowry, Sioux Falls.
Md., Charles Caspari, Jr., Baltimore.	Tenn., James O. Burge, Nashville.
Mass., Wm. W. Bartlet, Boston.	

Texas, E. M. Wells, Fort Worth.

Va., Hugh Blair, Richmond.

Wash., H. E. Holmes, Seattle.

W. Va., Ed. L. Boggs, Charleston.

Wis., A. Conrath, Milwaukee.

Que., Henry R. Gray, Montreal.

Ont., E. Gregory, Lindsay.

Transportation.

G. J. Seabury (Chm.), New York, N. Y.

J. W. Rankin, Atlanta, Ga.

E. A. Robinson, Boston, Mass.

A. E. Ebert, Chicago, Ill.

W. J. M. Gordon, Cincinnati, Ohio.

Chas. M. Ford, Denver, Colo.

A. K. Finlay, New Orleans, La.

M. W. Alexander, St. Louis, Mo.

Wm. Searby, San Francisco, Cal.

Delegates to Materia Medica and Pharmacy Section American Medical Association.

Jos. P. Remington (Chm.), Philadelphia, Pa.

J. P. Barnum, Louisville, Ky.

P. W. Bedford, New York,

L. Myers Conner, Dallas, Tex.

H. L. Cushman, Pensacola.

C. T. P. Fennel, Cincinnati.

J. M. Good, St. Louis, Mo.

J. U. Lloyd, Cincinnati, O.

J. M. Maisch, Philadelphia.

G. F. H. Markoe, Boston, Mass.

Oscar Oldberg, Chicago, Ill.

E. L. Patch, Boston, Mass.

Geo. W. Voss, Cleveland, O.

Chas. Rice, New York, N. Y.

L. E. Sayre, Lawrence, Kan.

Wm. M. Searby, San Francisco, Cal.

Wm. Simon, Baltimore, Md.

Geo. W. Sloan, Indianapolis.

H. W. Snow, Detroit, Mich.

E. H. Squibb, Brooklyn, N. Y.

A. B. Stevers, Ann Arbor.

Wm. S. Thompson, Washington, D. C.

W. H. Torbert, Dubuque, Ia.

James Vernor, Detroit, Mich.

A. B. Prescott, Ann Arbor.

SPECIAL COMMITTEES OF SECTIONS.

Commercial Interests Committee on Plan for Prevention of Cutting.

Henry Canning (Chm.), Boston, Mass.

W. H. Torbert, Dubuque, Ia.

Jos. P. Remington, Philada.

Arthur Bassett, Detroit.

M. W. Alexander, St. Louis.

G. H. Sohrbeck, Moline, Ill.

G. J. Seabury, New York.

Thomas F. Main, New York.

S. A. D. Sheppard, Boston.

Mutual Insurance (continued).

H. M. Whitney (Chm.), Lawrence, Kan.

Leo. Elick, South Bend, Ind.

Louis Dohme, Baltimore, Md.

J. Ingalls, Macon, Ga.

D. L. Haigh, St. Louis, Mo.

Scientific Papers (queries).

C. T. P. Fennel (Chm.),	..... Cincinnati, Ohio.
H. M. Whelpley, St. Louis.	Henry Trimble, Philadelphia.
Adam Conrath, Milwaukee.	M. L. H. Leavitt, Boston.

COUNCIL.

Term Expires. *Members of the Council.*

1892	The officers of the Association, ex-officio.
"	Leo. Eliel. South Bend, Ind.
"	William Scott Thompson Washington, D. C.
"	John H. Dawson .. San Francisco, Cal.
1893	Philip C. Candidus Mobile, Ala.
"	Chas. F. Goodman... Omaha, Neb.
"	Henry M. Whelpley St. Louis, Mo.
1894	James M. Good St. Louis, Mo.
"	Adam Conrath . Milwaukee Wis.
"	C. T. P. Fennel..... Cincinnati, Ohio.

Officers of the Council.

James M. Good, Chairman; W. S. Thompson, Vice-chairman;
Geo. W. Kennedy, Secretary.

Standing Committees of the Council.

On Membership: H. M. Whelpley, chairman. J. H. Dawson, G. J. Seabury, L. T. Dunning, W. H. Torbert, the treasurer and permanent secretary of the association, ex-officio.

On Finance: W. S. Thompson, chairman, Leo Eliel, C. F. Goodman.

On Publication: Chas. Rice, chairman, Adam Conrath, C. T. P. Fennel, P. C. Candidus, John M. Maisch.

On Centennial Fund: A. K. Finlay, chairman; Wm. S. Thompson, John M. Maisch.

Auditing Committee: (Appointed by the chairman of the Council.)

AMERICAN PHARMACEUTICAL ASSOCIATION.

Organized 1852, incorporated 1888, Washington, D. C.

CONSTITUTION.

ARTICLE I. This Association shall be called the "American Pharmaceutical Association." Its aim shall be to unite the educated and reputable Pharmacists and Druggists of America in the following objects:

1. To improve and regulate the drug market by preventing the importation of inferior, adulterated or deteriorated drugs, and by detecting and exposing home adulteration.

2. To encourage proper relations between Druggists, Pharmacists, Physicians and the people at large, which shall promote the public welfare and tend to mutual strength and advantage.

3. To improve the science and art of Pharmacy by diffusing scientific knowledge among Apothecaries and Druggists, fostering pharmaceutical literature, developing talent, stimulating discovery and invention and encouraging home production and manufacture in the several departments of the drug business.

4. To regulate the system of apprenticeship and employment so as to prevent, as far as practicable, the evils flowing from deficient training in the responsible duties of preparing, dispensing and selling medicines.

5. To suppress empiricism and to restrict the dispensing and sale of medicines to regularly educated Druggists and Apothecaries.

6. To uphold standards of authority in the Education, Theory and Practice of Pharmacy.

7. To create and maintain a standard of professional honesty equal to the amount of our professional knowledge, with a view to the highest good and greatest protection to the public.

ARTICLE II. This Association shall consist of active, life and honorary members, and shall hold its meetings annually.

ARTICLE III. The officers of the Association shall be a President, three Vice-Presidents, a Permanent Secretary, a Local Secretary, a Treasurer and a Reporter on the Progress of Pharmacy; all of whom, with the exception of the Permanent Secretary, shall be elected annually, and shall hold office until an election of successors.

ARTICLE IV. All moneys received from life membership, together with such funds as may be bequeathed or otherwise

donated to the Association, shall be invested by the Treasurer in United States Government or State securities, the annual interest of which only shall be used by the Association for its current expenses.

ARTICLE V. Every proposition to alter or amend this Constitution shall be submitted in writing, and may be balloted for at the next annual meeting, when, upon receiving the votes of three-fourths of the members present, it shall become a part of this Constitution.

BY-LAWS.

CHAPTER I.—Of the President and Vice-Presidents.

ARTICLE I. The President shall preside at all meetings of the Association, except those of the special sections as hereinafter provided. In his absence or inability one of the Vice-Presidents, or in the absence of all, a President *pro tempore* shall perform the duties of President.

ARTICLE II. In the absence of the Permanent Secretary the President shall appoint a Recording Secretary *pro tempore*.

ARTICLE III. In meetings the President shall take the chair at the proper time; announce all business; receive all proper motions, resolutions, reports and communications, and order the vote upon all proper questions at the proper time.

ARTICLE IV. In all balloting, and on questions upon which the ayes and nays are taken, the President is required to vote, but his name shall be called last; in other cases he shall not vote, unless the members be equally divided, or unless his vote, if given to the minority, will make the decision equal; and in case of such equal division the motion is lost.

ARTICLE V. He shall enforce order and decorum; it is his duty to hear all that is spoken in debate, and in cases of personality and impropriety he shall promptly call the speaker to order. He shall decide all questions of order subject to the right of appeal, unless in cases where he prefers to submit the matter to the meeting; decide promptly who is to speak when two or more members rise at the same moment, and be careful to see that business is brought forward in proper order.

ARTICLE VI. He shall have the right to call a member to the chair, in order that he may take the floor in debate. He shall see that the Constitution and By-Laws are properly enforced.

ARTICLE VII. He shall appoint all committees, unless provided for in the By-Laws or otherwise directed by the Association.

ARTICLE VIII. He shall sign the certificates of membership and countersign all orders on the Treasury. He shall obey the instructions of the Association, and authenticate by his signature, when necessary, its proceedings.

ARTICLE IX. He shall present at each annual meeting an address embodying general scientific facts and events of the year, or discuss such scientific questions as may to him seem suitable to the occasion.

CHAPTER II.—*Of the Permanent Secretary.*

ARTICLE I. The Permanent Secretary shall be elected to hold office permanently during the pleasure of the Association. He shall receive from the Treasurer an annual salary of \$750, and the amount of his expenses incident to the meeting, in addition to his salary.

ARTICLE II. He shall keep fair and correct minutes of the proceedings of the meetings, and carefully preserve, on file, all reports, essays, and papers of every description received by the Association, and shall be charged with the necessary foreign and scientific correspondence, and with editing, publishing, and distributing the Proceedings of the Association, under the direction of the Council.

ARTICLE III. He shall read all papers handed him by the President for that purpose; shall call and record the ages and mays, whenever they are required to be called; shall notify the chairman of every special committee of his appointment, giving him a list of his colleagues, and stating the business upon which the committee is to act; and shall notify every member of the time and place of each annual meeting.

CHAPTER III.—*Of the Local Secretary.*

ARTICLE I. The Local Secretary shall be elected annually, near the close of the annual meeting, and shall reside at or near the place where the next annual meeting of the Association is to be held.

ARTICLE II. He shall assist the Permanent Secretary in his duties; shall co-operate with the Council and any Local Committee in making arrangements, for the annual meeting; shall correspond with the chairmen of the several committees, and with other members, in advance of the meeting, for the promotion of its objects, and shall have the custody of specimens, papers, and apparatus destined for use or exhibition at the meetings.

ARTICLE III. An exhibition of objects interesting to pharmacists shall be held each year, under the direction of the Local Secretary and the Committee on Commerical Interests.

CHAPTER IV.—*Of the Treasurer.*

ARTICLE I. The Treasurer shall collect and take charge of the funds of the Association, and shall hold, sign, and issue the certificates of membership

ARTICLE II. He shall pay no money except on the order of the Secretary, countersigned by the President, and accompanied by the proper vouchers.

ARTICLE III. He shall report to the Council, previous to each annual meeting, the names of such members as have failed to pay their annual contributions for three years.

ARTICLE IV. He shall present a statement of his accounts at each annual meeting of the Council, that they may be audited; he shall receive an annual salary of \$600, and the amount of his expenses incident to the meeting, in addition to his salary.

ARTICLE V. The Treasurer, in order that he may qualify for the office to which he has been elected, shall file a good and sufficient bond or bonds to the amount of \$10,000 with the Chairman of the Council for the faithful performance of his duties as Treasurer, this bond or bonds to be signed and executed by two sureties or Trust Company acceptable to the Council.

CHAPTER V.—*Of the Reporter on the Progress of Pharmacy*

ARTICLE I. The Reporter on the Progress of Pharmacy shall be elected annually, and shall receive from the Treasurer for his services an annual sum of \$750.

ARTICLE II. All journals and volumes received in exchange for the Proceedings by the Permanent Secretary, and such other journals as shall be deemed necessary, shall be sent to him by that officer for use in the compilation of his report; for all of which he shall be held responsible until returned to the Permanent Secretary for preservation.

ARTICLE III. From these and other available sources, he shall prepare a comprehensive report on the improvements and discoveries in Pharmacy, Chemistry and Materia Medica, and the collateral branches of knowledge; on the changes in conditions of Pharmaceutical Institutions; together with such statistical, biographical and obituary notices as will furnish an epitome of the progress and changes in the science and practice of Pharmacy, and of its votaries, at home and abroad.

ARTICLE IV. The Report on the Progress of Pharmacy shall commence with July 1st of the preceding year, and end with June 30th of the year in which it is submitted, shall be written in a form fitted for the printer, and shall be presented completed at the annual meeting.

ARTICLE V. In case of the illness or other inability of the Reporter to carry on the work of the report, the Permanent Secretary and the Chairman of the Council shall be required to make the best arrangements they can command to continue the work to its completion.

CHAPTER VI.—*Of the Council.*

ARTICLE I. The business of the Association which is not of a scientific character shall be in charge of the Council, which shall be empowered to transact business for the Association between the times of meeting, and to perform such duties as may from time to time be committed to them by the Association; their acts, however, being subject to revision by the Association. Any member of the Association may attend the meetings of the Council, and may, by a special vote of the Council, be invited to speak on any subject under discussion.

ARTICLE II. The Council shall consist of seventeen members, nine of whom shall be elected by ballot by the Association in the following manner: Three of them to serve for one year, three for two years, three for three years. At each subsequent annual meeting, three members shall be elected to take the places of those whose terms will then expire, to serve for the term of three years. No elected member of the Council, after having served one term, shall be eligible for re-election to the Council to serve the next succeeding term.

ARTICLE III. The President, Vice-President, Secretary, Local Secretary, Treasurer, and Reporter on the Progress of Pharmacy of the Association, shall be *ex-officio* members of the Council.

ARTICLE IV. Vacancies which may occur in the Council shall be filled for the unexpired term or terms by the Association at its next annual meeting.

ARTICLE V. The officers of the Council shall consist of a Chairman, Vice-Chairman and Secretary, to be elected by ballot annually by the Council. The Secretary may or may not be a member of the Council.

ARTICLE VI. The Council shall be charged with the examination of credentials of delegates, and the transaction of unfinished business of the Association from one annual meeting to another, and with collecting, arranging, and expediting

the business of the Association during the sessions of the annual meeting.

ARTICLE VII. There shall be elected annually by ballot, by the Council, three standing committees of the Council—a Committee on Membership, a Committee on Publication, and a Committee on Finance—to whom shall be referred such duties as are appropriate to their respective functions, as the Council shall direct; they shall report annually to the Council, and at such other times as the Council may direct.

ARTICLE VIII. *Section 1.* The Council shall have charge of the revision of the roll and the publication of the Proceedings.

Section 2. The Secretary of the Council shall read at each of its sessions the names of those candidates for membership which have been proposed, when a vote of two-thirds shall be sufficient to recommend them to the Association.

Section 3. The Council shall decide upon any objections which may be presented to them (which must be in writing, with the member's name attached), referring to the fitness of the candidates for membership; and no name shall be voted on by the Association without first receiving the approval of the Council.

Section 4. The Committee on Membership shall report at each annual meeting of the Council a revised roll of members, with appropriate notices of deceased members.

ARTICLE IX. The Council shall furnish to each member of the Association not in arrears, one copy of the annual publication of the Proceedings, which publication shall contain the correct roll of members, full minutes of the several sittings of the Association, a complete synopsis of the minutes of the Council, the reports of the President and Committees, together with such addresses, scientific papers, discussions, notices of new processes and preparations, as they may deem worthy of insertion, and shall fix the price at which the Proceedings shall be sold.

CHAPTER VII.—Of Committees.

ARTICLE I. There shall be six standing committees: A Committee on Commercial Interests, and on the Revision of the U. S. Pharmacopœia, each to consist of five members; a Committee on Scientific Papers, a Committee on Prize Essays and a Committee on Pharmaceutical Legislation and Education, each to consist of three members and a Committee on Transportation to consist of nine members.

ARTICLE II. The Committee on Commercial Interests shall be appointed by the Section on Commercial Interests. They shall be charged with the work of arranging in advance

the business to come before the Section at the next annual meeting. They shall propose each year a subject for discussion at the meetings of the State Associations, and at the following annual meeting of this Association they shall present a report of the action of the State Associations upon the subject proposed.

ARTICLE III. The Committee on Scientific Papers shall be appointed by the Section on Scientific Papers. They shall arrange the business of the Section, and shall report, near the close of each annual meeting, a proper number of questions of scientific and practical interest, the answers to which may advance the interests of Pharmacy, and shall procure the acceptance of as many such questions for investigation as may be practicable.

ARTICLE IV. Any person writing a paper for the Association must, to insure its publication in the Proceedings, refer the same, with a synopsis of its contents, to the Committee on Scientific Papers previous to the first session.

ARTICLE V. It shall be the duty of every Standing Committee making a report annually to the Association, in like manner to furnish a copy of the same, together with a synopsis of its contents, to the Committee on Scientific Papers before the first annual session of the Association.

ARTICLE VI. The Committee on Prize Essays, which shall be appointed by the Chairman of the Section on Scientific Papers, shall, within six months after the annual meeting at which the essays are presented, determine which, if any of them, has met the requirements of the founder of the prize. In all other respects they shall be governed by the stipulations expressed by the donor. The decision of the Committee, with such comments upon the successful essay only as they may deem proper, may be published in the Journals of Pharmacy.

ARTICLE VII. The Committee on Pharmaceutical Legislation and Education, which shall be elected by the Section on Pharmaceutical Legislation and Education, shall keep a record of, and compile for reference, the enactments of the different States regulating the practice of pharmacy and the sale of medicines. They shall report to each stated meeting of the Association what legislation on pharmaceutical subjects has occurred during the year. They shall arrange the business of the Section in advance of its meetings, propose suitable subjects for discussion, and shall attend to such duties as may be delegated to them by the Section.

ARTICLE VIII. The Committee on Revision of the United States Pharmacopœia shall be appointed the President of the Association. It shall be their duty to collect and codify such

facts as may serve as a basis of the report to be presented by this Association to the National Convention for revising the Pharmacopœia. It shall collect statistics regarding the frequency with which officinal and non-officinal remedies are used in legitimate practice, and shall endeavor to ascertain the general wishes and feelings of the profession throughout the country in regard to any desired changes or improvements in Pharmacopœia.

ARTICLE IX. The Committee on Transportation which shall be elected by the Council, shall consist of one member each from the cities of Boston, New York, Chicago, St. Louis, Cincinnati, New Orleans, Atlanta, Denver, and San Francisco and in conjunction with the local secretary shall arrange for transportation from the different sections of the United States to the place of meeting and return.

CHAPTER VIII.—Of Membership.

ARTICLE I. Every Pharmacist and druggist of good moral and professional standing, whether in business on his own account, retired from business or employed by another, and those teachers of Pharmacy, Chemistry, and Botany, who may be especially interested in Pharmacy and Materia Medica, who after duly considering the objects of the Association and the obligations of the Constitution and By-laws, are willing to subscribe to them, are eligible to membership.

ARTICLE II. Any two members of the Association may propose to the Council the name of any person eligible to membership, and if approved, the Council shall recommend the person named to the Association, and if the Association shall by vote invite said person to become a member, his membership shall be completed by his signing the Constitution and By-laws, and paying the annual contribution for the current year.

ARTICLE III. Every member shall pay in advance to the Treasury the sum of *Five Dollars* as his yearly contribution, and is liable to lose his membership by neglecting to pay said contribution for *three successive years*.

ARTICLE IV. Any member not in arrears to the Association, who shall pay to the Treasurer the sum of \$75 during the first year of his connection therewith, or after five years \$70, or after ten years \$60, or after fifteen years \$50, or after twenty years \$40, or after twenty-five years \$30, or after thirty years \$20, or after thirty-five years \$10, shall become a life member, and shall be exempt from all future annual contributions.

ARTICLE V. All local organizations of Pharmacists shall be entitled to *five* delegates, as their representatives in the

annual meetings, who, *if present*, become members of the Association on signing the Constitution and paying the annual contribution for the current year: Provided, that the provisions of this article shall not be so construed as to reinstate any member whose name shall have been dropped from the roll for non-payment of dues; nor shall any one who has been expelled from the Association be received as a delegate. All credentials should be sent to the Permanent Secretary *at least two weeks* in advance of the annual meeting.

ARTICLE VI. Members shall be entitled, on the payment of *Five Dollars*, to receive from the Treasurer a certificate of membership signed by the President, one Vice-President, Permanent Secretary and Treasurer.

ARTICLE VII. Persons constitutionally elected to membership become permanent members, and their membership can cease only by resignation, non-payment of dues, or by expulsion, as provided in these By-laws.

ARTICLE VIII. Resignations of membership shall be made in writing to the Permanent Secretary or Treasurer, but no resignation shall be accepted from any one who is in arrears to the Treasury.

All resignations shall be acknowledged in writing by the officer who receives them, and shall be reported to the Council.

ARTICLE IX. Any member may be expelled for improper conduct, or the violation of the Constitution, By-laws, or Ethics, adopted by the Association, but no person shall be expelled unless he shall receive for expulsion two-thirds of all the votes cast at some regular session.

ARTICLE X. Pharmacists, chemists, and other scientific men who may be though worthy the distinction, may be elected honorary members. They shall not, however, be required to contribute to the funds, nor shall they be eligible to hold office or vote at the meetings.

CHAPTER IX. —Of Meetings and Sections.

ARTICLE I. The meetings shall be held annually: Provided, that in case of failure of this, from any cause, the duty of calling the Association together shall devolve upon the President, or one of the Vice-Presidents, with the advice and consent of the Council.

ARTICLE II. To expedite and render more efficient the work of the Association, three Sections shall be formed as follows: 1. Scientific Papers; 2. Commercial Interests; 3. Pharmaceutical Legislation and Education.

ARTICLE III. The business of the Association shall be arranged so that the labors of each Section shall be considered only at the session or sessions to which they are especially assigned.

ARTICLE IV. The first, second and last sessions of the annual meeting shall be devoted to the general business of the Association, and sufficient time shall be assigned to the Association at the beginning of all other sessions to read its minutes and act on the report of Council on membership.

ARTICLE V. At the third and fourth sessions the business of the Section on Commercial Interests shall be considered.

ARTICLE VI. The fifth, sixth and seventh sessions shall be devoted to the reading of Scientific Papers and the discussions thereof.

ARTICLE VII. At the eighth session the Section on Pharmaceutical Legislation and Education shall consider the business assigned to that Section.

ARTICLE VIII. A Chairman and Secretary shall be elected by ballot by each Section to serve at the special meetings of said Section. And the minutes of each meeting, together with all documents and papers which belong to each Section, must be placed as soon as possible in the hands of the Permanent Secretary for publication or safe-keeping.

ARTICLE IX. The Chairman of each Section shall preside at each of its meetings, and shall prepare a short address treating upon the subjects connected with his Section, to be read before the Section at the next annual meeting.

ARTICLE X. There shall be elected by each Section a Committee, of which the Chairman of the Section shall be Chairman, to whom shall be delegated the duty of arranging in advance the business to come before the Section at the next annual meeting; these committees in each case becoming Standing Committees of the Association.

ARTICLE XI. The order of business at the first session of each annual meeting shall be as follows:

Section 1. Promptly at the time named in the notice issued for the meeting, the President, or in his absence one of the Vice-Presidents, or, in their absence, a President *pro tempore*, shall officiate:

Section 2. In the absence of the Permanent Secretary, the President shall appoint a Recording Secretary *pro tempore*, who shall perform the duties of the Permanent Secretary until his arrival.

Section 3. Nineteen members shall constitute a quorum for the transaction of business.

Section 4. The President's address may then be read, after which the Council shall report the list of properly accredited delegates.

Section 5. The Council shall read the names of the candidates for membership, as provided in Section 2, Article VIII., Chapter VI.

Section 6. Reports of Committees shall be presented, read by their titles, the synopsis or in full, and laid on the table for future consideration.

Section 7. The President shall call the roll of States represented, requesting each State in turn to appoint two members, the persons so selected to act as a Committee to nominate officers for the Association and members of the Council for the ensuing year; in addition to which he shall appoint five members to act with the Committee.

Section 8. The minutes of the Council shall be read in full at the annual meeting of the Association, and its acts, if approved, shall be sustained by a vote of the majority of the members present, or, if disapproved by a majority of members present, their acts shall be revised, so as to be acceptable to the Association.

Section 9. Incidental business may be called up.

ARTICLE XII. The order of business at the second session at each annual meeting shall be as follows:

Section 1. The President shall call the Association to order.

Section 2. The Secretary shall read the minutes of the preceding session, which may be amended, if necessary, and shall then be approved.

Section 3. The report of the Committee on Nominations shall be read; when the President shall appoint tellers, and the officers nominated shall be balloted for.

Section 4. The Council shall present names recommended for membership.

Section 5. Reports of Standing Committees shall be read.

Section 6. Reports of Special Committees shall be read.

ARTICLE XIII. The order of business for the meetings of the Sections shall be determined by each Section for itself.

ARTICLE XIV. No money shall be appropriated from the Treasury by any of the Sections.

ARTICLE XV. At the last session of the Association the newly-elected officers of the Association shall take their respective places.

CHAPTER X.—*Of Rules of Order and Debate.*

ARTICLE I. The ordinary rules of parliamentary bodies shall be enforced by the presiding officer, from whose decision, however, appeals may be taken, if required by two members, and the meeting shall thereupon decide without debate.

ARTICLE II. When a question is regularly before the meeting, and under discussion, no motion shall be received but to adjourn, to lay on the table, for the previous question, to postpone to a certain day, to commit or amend, to postpone indefinitely; which several motions have precedence in the order in which they are arranged. A motion to adjourn shall be decided without debate.

ARTICLE III. No member may speak twice on the same subject, except by permission, until every member wishing to speak has spoken.

ARTICLE IV. On the call of any two members, the yeas and nays shall be ordered, when every member shall vote, unless excused by a majority of those present, and the names and manner of voting shall be entered on the minutes.

CHAPTER XI.—*Miscellaneous.*

ARTICLE I. In all such points of order as are not noticed in these By-Laws, the Association shall be governed by the established usages in all assemblies governed by parliamentary rules.

ARTICLE II. Every proposition to alter or amend these By-Laws shall be submitted in writing, and may be balloted for at any subsequent session, when, upon receiving the votes of three-fourths of the members present, it shall become a part of the By-Laws.

ARTICLE III. No one or more of these By-Laws shall be suspended.

FORM FOR COMPLETING MEMBERSHIP IN ACCORDANCE WITH
CHAPTER VIII, ARTICLE II, OF THE BY-LAWS TO BE SUB-
SCRIBED TO BY TWO MEMBERS OF THE ASSOCIATION.

"Approving of the objects of the American Pharmaceutical Association, and having read its constitution and by-laws, I hereby signify my approval of the same, and subscribe to them, and enclose the annual contribution, five dollars, for the current year."

Name in full, Date, Address,

STATE PHARMACEUTICAL ASSOCIATION.—OFFICERS 1892.

NAME OF STATE.	92 No. MEETING.	NO. OF MEMBERS	PRESIDENT.	VICE-PRESIDENT	VICE-PRESIDENT.	VICE-PRESIDENT.	SECRETARY.	TREASURER.
Ala.	11	250	J. D. Humphrey Huntsville	Moseley F. Tucker Mobile	Wm. E. Bingham Tuscaloosa		P. C. Candidus Mobile	E. P. Galt Selma
Ark.	10	300	E. E. Shendal Hot Springs	C. M. Davis Helena	N. A. Robinson Texarkana		J. W. Beidelman Little Rock	Jno. A. Jungkind Little Rock
Calif.	2		John Devine San Francisco	F. A. Beckett San Francisco	F. T. Green San Francisco	A. C. Zeig Librarian	D. D. Hunt San Francisco	A. Mack San Francisco
Colo.	3	200	Chas. M. Ford Denver	W. B. Sutherland Loveland	C. H. Wells Pueblo		Felix Lyneman Denver	J. W. Turrell Longmont
Conn.	16	300	Emil. A. Gessner New Haven	Sam W. Smith Ansonia	Willis L. Mix New Haven		Fred'k Wilcox Waterbury	Lester H. Goodwin Hartford
Del.	6		N. B. Danforth Wilmington	W. A. Jester Delaware City	Cl. D. Sypherd Dover	Jacob V. Foulk Milford	Jno. M. Harvey Wilmington	Jno. J. Gallagher Wilmington
Flor.	6	453	A. E. Phillips, Sandford	W. Woodbridge Jacksonville	H. C. Grove Ocala	Wm. Aird Jacksonville	S. P. Watson Jacksonville	Ed. Delouest Ocala
Ga.	17	260	H. B. Slack La Grange	F. M. Wheat Columbus	C. M. Crosby Marietta	Jas. P. Smith Augusta	H. H. Arrington Summerville	M. H. Taylor Macon
Ill.	13	3900*	R. C. Hattenhamer, Peru	H. Lee Hatch, Jacksonville	Frank S. Fries Kankakee	M. B. Travis Saybrook	C. S. Hallberg Chicago	Melle Williams Taylorville
Ind.	11	300	Wm. C. Buntin Terre Haute	D. H. Lohman La Fayette	E. B. Knofel New Albany	Jno. Kennedy Vincennes	F. W. Meissner La Porte	G. G. Allen Indianapolis

Iowa ... 13	450	A. A. Broadie Waverly	A. C. Hinckman Red Oak	Fletcher Howard Sheldon	H. W. Dyer Rockwell City	Rosa Upson Marshalltown	J. B. Webb DeWitt
Kas ... 13	300	C. L. Becker Ottawa	M. Noll Atchison	T. W. Atkins Girard		Jno. T. Moore Lawrence	H. W. Spangler Perry
Ky ... 15	400	W. Chapman Frankfort	J. J. Samuels Danville	J. Q. Haynes Owensboro	G. Holzhauser Newport	J. W. Gayle Frankfort	Howard Jett Cynthiana
La. ... 10	240	John Johnson New Orleans	Brand Erich New Orleans	Wm. M. Levy New Orleans		L. F. Chalin New Orleans	Eugene Lalman New Orleans
Maine..		Chas K. Partridge Augusta	Ara Warren Bangor			H. E. Bowditch Augusta	H. P. Pennell Portland
Md.... 9		C. V. Emich	J. Briscoe Baltimore	F. A. Harrison. Baltimore	J. E. Henry	Jno. W. Geiger Baltimore	Samuel Munsfield Baltimore
Mass . 11	500	Henry M. Whitney Lawrence	J. L. Rice Newton	W. W. Bartlett Boston	C. P. Alden Springfield	M. L. H. Leavitt 65 Cambr'g. Boston	Thos. B. Nichols Salem
Mich ... 10	700	H. G. Coleman Kalamazoo	Stanley E Parkhill Owosso	L. Pauly St. Ignace	A. S. Parker Detroit	C. W. Parsons Detroit	Wm. Dupont Detroit
Minn ...	300	Sam'l F. Boyce Duluth	F. H. Haimert St. Paul	Edw. Schupik Minneapolis	J. J. Grinnell Kasson	Chas. T. Heller St. Paul	Chas. T. Heller St. Paul
Miss ...		Byron Lemly Jackson	A. S. Peck Meridian	A. Stratton Magnolia		J. C. Schotel Gloster	Oscar Lillybeck Meridian
Mo ... 14	1150	Francis Hemm St. Louis	B. M. Bennett Pierce City	G. Howard Willett Kansas City	T. H. Swinney Ash Grove	G. H. Chas Klie St. Louis	Gus J. Meyer St. Louis
Mont... 2		Fordinand Sands Butte	Geo. Freisheimer Missoula			J. B. Lockwood Helena	H. M. Purburn Helena
Neb ... 11	600	Grif J. Evans Hastings	D. J. Kenigstein Norfolk	C. R. Sherman Omaha	{ Theo. St. Martin Wahoo	Julia M. Crissey Omaha	Jas. Forsythe Omaha
Nev...				{ A. B. Hunt North Bend	{ H. H. Barth. Lincoln		
N. H . 19	100	Edw. H. Currier Manchester	Alb. S. Wetherell Exeter	Wm. H. Vickery Dover	N. Whitman, Aud. Nashua	Frank L. Way Manchester	Amasa D. Smith, Manchester
N. J... 22	350	F. R. Danis Morristown	E. B. Jones Mount Holly	W. Scott Taylor Trenton		Chas. F. Dare Bridgeton	Wm. M. Townley Newark
N. Y ... 14	806	C. S. Ingraham Elmira	Thos. W. Dalton Syracuse	C. F. Fish Saratoga	H. W. Cady Plattsburgh	Clay W. Holmes Elmira	Chas. H. Butler Oswego

STATE PHARMACEUTICAL ASSOCIATIONS—OFFICERS 1892.—(Continued.)

N. Car. 13	100	W. H. Wearn Charlotte	H. R. Chears Pymouth	N. D. Fitzer Concord	B. E. Sedberry Fayetteville	F. W. Hancock New Berne	A. J. Cook Fayetteville
N. Dak 6	150	J. J. Wamberg Hope	O. R. Krogstad Grafton	L. A. Taubert Casselton		L. Christianson Fargo	G. A. Day Fargo
Ohio 14	920	M. A. Burkhardt Dayton	Philip Lehr Cleveland	Geo. Eger Cincinnati		L. Wis C. Hopp Cleveland	F. A. Kautz Cincinnati
Ore 2	250	Geo. C. Blakeley The Dalles	D. J. Frey Salem	Wm Pfunder Portland	Thos. Graham Corvallis	C. E. Bailey Forest Grove	O. P. S. Plummer Portland
Penn. 15	100	Jno. F. Patton York	Wm. H. McGarrab Scranton	Wm. McIntyre Philadelphia		Jacob A. Miller Harrisburg	Jos. L. Lemberger Lebanon
R. I. 18	100	Jas O'Hare Providence	Henry M. Dudley Woonsocket			Wm. E. Cates Providence	A. W. Fenner, Jr Providence
S. C. 5	100	A. W. Ecker Charleston	J. G. Wannamaker Charleston	R. B. Loryea Manning		Philip Wineman Charleston	The Secretary
S. Dak 7	550*	Z. A. Crain Doland	F. W. A. Poppe Milbank	C. H. Wood Madison		I. A. Keith Lake Preston	G. W. Lowry Sioux Falls
Tex. 13	40	Geo. H. Katteyer San Antonio	J. Burghelm Huston	R. H. Bingham Corpus Christi	R. H. Walker Gonzales	L. Myers Connor Dallas	W. F. Shook Dallas
Vt.				{ H. A. Wiseman Danville		{ C. B. Fleet Lynchburg	
Va.	250	M. E. Church Falls Church	J. C. Johnson Roanoke	{ Edgar Wakefield Alexandria	A. Buff Portsmouth	{ T. R. Baker, Cor. Richmond	C. H. Lumsden Lynchburg
Wash 2	100	W. P. Bonney Tacoma	A. B. Stewart Seattle	D. Wall Vancouver	J. H. Day Dayton	Walter St. John Tacoma	Henry Dubbs Seattle
W. Va							
Wis. 13		Christian Widule Milwaukee	Peter Beule Beaver Dam	Chas. Pfeifer Plymouth		E. B. Heimstreet Janesville	W. P. Clarke Milton

* All Registered Pharmacists members of State Association.

STATE PHARMCEUTICAL ASSOCIATIONS.

CALENDAR OF MEETINGS—1892.

NAME OF STATE.	LOCAL SECRETARY, ADDRESS AND PLACE OF MEETING.	DATE OF MEET- ING.—1892.
Ala.	Andrew Van Antwerp, Mobile.	May 10.
Ark.	Fort Smith.	
Calif.	Los Angeles.	
Colo.	John Koehan, Denver.	Aug. 4.
Conn. ...	D. G. Stoughton, Hartford.	Feb. 2.
Del.	Edgar B. Fell, Wilmington.	May 5.
Dist. Col		
Flor.	St. Augustine.	April 12.
Ga.	John P. Turner, Columbus.	May 10.
Idaho. . .		
Ill.	Charles Ryan, Springfield.	June 7.
Ind.	Indianapolis.	May 10.
Iowa	J. W. Ballard, Davenport.	June 14.
Kas.	H. M. Herrold, Kan-as City, Kas.	May 17.
Ky.	O. W. Geier, Carrollton.	May 18.
La.	Mrs. E. Rudolf, New Orleans.	April 13.
Maine. . .	H. T. Cummings, Portland.	June.
Myd.	Baltimore.	Sept. 10.
Mass.	C. P. A den, Springfield.	Sept. 6.
Mich.	J. D. Muir, Grand Rapids.	
Minn.	F. W. Kugler, Duluth.	June 14.
Miss.	Jackson.	
Mo.	C. L. Cravens, Excelsior Springs.	June 14.
Mont.	Butte	
Neb.	F. S. Hazard, Grand Island.	June 7.
Nev.		
N. H.	Leene.	Sept. 6.
N. J.	H. P. Reynolds, Plainfield.	May 18.
N. M.		
N. Y.	J. C. Auchampaugh, Syracuse.	May.
N. C.	W. H. King, Raleigh.	Aug. 10.
N. Dak. . .	L. Christianson, Fargo.	Aug. 2.
Ohio.	J. H. Openheimer, Canton.	June 14.
Oklahoma		
Ore.	J. C. Smith, Salem.	June.
Penn.	D. M. Krauser, Milton, Susque- hanna Heights	June 14.
R. I.	Providence, semi-annual.	July 13.
S. C.	Charleston.	Nov. 16.
S. Dak. . .	L. T. Dunning, Sioux Falls.	Aug. 16.
Tenn.		
Tex.	H. L. Carleton, Waco.	May 10.
Utah.		
Vt.		
Va.	M. C. Hall, Fredericksburg	Sept. 13.
Wash.	W. B. Shaw, Seattle.	May 9.
W. Va. . .		
Wis.	Geo. Bauman, Oshkosh.	Aug. 9.
Wyo.		

STATE PHARMACEUTICAL ASSOCIATIONS.

COMMITTEES AND DELEGATES.

ALABAMA.

Committees—Executive: Albert E. Brown, J. W. Hollan, C. B. Goldthwaite. Queries: James W. Milner, E. B. Norton, Philip E. Ebrenz. Adulteration: Charles A. Mohr, P. E. Ebrenz, C. M. Southall. Commercial Interests: John L. Rison, W. F. Punch, G. W. Baines.

ARKANSAS.

Committees—Executive: F. G. Kerr, Van Buren; E. . . Klein, Hot Springs; F. W. Bush, Benton. Necrology: J. M. Anderson, Pine Bluff; F. G. Kerr, Van Buren; S. A. Miller, Wynne.

CALIFORNIA.

Committees—Executive: C. A. Bayly, San Francisco; A. Boyken, San Francisco; Wm. M. Searby, San Francisco; C. A. Kernt, San Francisco; R. E. White, San Francisco; Geo. B. Flint, Oakland; J. G. Munson, San Jose; J. H. Flint, Marysville; Mr. Strahlman, San Diego; C. F. Heintzman, Los Angeles, and the officers of the association.

COLORADO.

Committees—Education: S. T. Kostich, Niel Dahl, Denver; C. J. Getz, Montrose. Legislation: Frank P. Miller, Denver; John Best, Central; George E. Taylor, Leadville. Papers and Queries: C. P. Janvier, Denver; F. A. Arenlarins, Leadville; H. S. Van Petten, Colorado Springs. Deceased Members: Charles West, Loveland; Joseph Hunsman, Trinidad; Douglas M. Titus, Denver. Trade: E. L. Scholtz, W. A. Hover, Denver; A. S. Lamb, Aspen. Adulterations: Nicholas Andersen, Fort Collins; J. A. Martin, Denver; W. J. Daniels, Florence. Membership: S. J. Canfield, Leadville; Victor Knoettge, Idaho Springs; C. D. Lippincott, Denver. Entertainment: John Keehan, C. D. Barnes, Denver; Henry Morgan, Breckenridge.

Delegates—Am. Pharm. Assoc.: Silas G. Canfield, Leadville; Charles M. Ford, A. B. Levi, Denver; N. W. D. Assoc.: William A. Hover, Geo. Riethmann, Denver; J. W. Owens, Montrose. Missouri P. A.: Maynard E. Cook, Burlington; G. J. Hubbell, Ft. Lupton; G. B. Storer, Colorado Springs. Kans. P. A.: J. W. Williams, Hugo; J. F. Nearing, Pueblo; Fred C. Ewing, Glenwood Springs. Neb. P. A.: F. J. Feezer, Greeley; Henry Morgan, Breckenridge; F. J. Macke, Leadville.

CONNECTICUT.

Committees—Executive: S. W. Smith, Ansonia; C. F. Williams, Thomaston; James Duggan, Norwich; John S. Coburn, A. Felton Wood, New Haven. Pharmacy and Queries: E. T. Vance, Ansonia; C. A. Rapelye, Hartford; James O. May, Naugatuck; John K. Williams, Hartford; Chas. W. Whittlesey, New Haven. New Members: L. H. Goodwin, F. B. Edwards, F. H. Chapin, Hartford. Legislation: Stephen Goodrich, John K. Williams, Hartford; F. M. Wilson, Willimantic; N. D. Sevin, Norwich. Trade Interests: L. I. Munson, Waterbury; E. C. Frisbie, L. H. Goodwin, Hartford; R. Wells, New Haven. Entertainment: D. G. Stoughton, P. W. Newton, A. W. Sawtelle, Hartford. Unofficial Formulæ: Chas. A. Rapelye, Hartford; Wm. A. Thompson, Norwich; Warren, A. Spalding, New Haven; Arthur S. Clark, Waterbury; Chas. E. Shelton, Bridgeport.

Rep. Progress Pharmacy—Edward T. Vance, Ansonia.

Delegates—Am. Phar. Asso.: Frederiek H. Chapin, Hartford; Charles H. Coe, Birmingham; W. A. Bronson, New Haven; H. H. Osgood, Norwich; Frederic Wilcox, Waterbury. Mass. P. A.: F. M. Wilson, Willimantic; William B. Young, Norwich; George E. Dresser, Putnam. N. Y. P. A.: Thomas F. Main, New York; Theo. G. Bodine, Danbury; Charles S. Finch, Stamford. N. J. P. A.: C. S. Shelton, Bridgeport; H. R. Hale, Norwalk; C. W. Whittlesey, New Haven. R. I. P. A.: H. H. Daboll, J. C. Nichols, New London; N. D. Sevin, Norwich. Conn. Medical Society: J. K. Williams, Hartford; Willis L. Mix, New Haven; Edward T. Vance, Ansonia. Am. Med. Asso.: L. I. Munson, Waterbury; Stephen Goodrich, Hartford; H. H. Osgood, Norwich; C. W. Whittlesey, New Haven; H. H. Daboll, New London.

• DELAWARE.

Committees—Executive: Wm. Poole, Jacob S. Beetem, F. W. Fenn, Wilmington. Trade Interests: Z. Jas. Belt, F. E. Gallagher, T. B. Curtmell. Papers and Queries: Jacob S. Beetem, F. E. Stewart, M. D., Everard P. Stephens. Legisla-

tion: F. R. Smith, Edgar B. Fell, Carenee D. Sypherd.
 • Deceased members: E. T. Dilworth, Geo. T. Williams, Owen C. Spear. Drug Adulterations: H. K. Watson, F. R. Smith, F. W. Fenn. Exhibits: Jas. M. Griffin, T. B. Cartmell, H. S. Kiger. Entertainment: D. M. White, Henry Fullerton, Jas. P. Williams.

FLORIDA.

Committees—Executive: F. P. McElroy, Dade City; F. D. Ackerman, Palatka; H. R. Thomas, Jacksonville. Legislative: T. G. Bawls, H. V. R. Schrader, Tallahassee; D. G. Smith, Madison; H. C. Cushman, Pensacola; J. S. Frazer, Ocala. Trade Interests: Dr. H. Robinson, W. A. Dell, Jacksonville; H. C. Grove, Ocala; W. A. Rawls, Tallahassee; R. G. Skipper, New Smyrna. Papers and Queries: W. H. Lightstone, R. J. Martinez, C. D. Horn, Jacksonville; Wm. Anderson, Ocala; W. S. Turner, Tompkinsville.

Delegates.—Am. Pharm. Assoc.: S. P. Watson, Jacksonville; W. A. Allen, DeLand; J. M. Townley, Kissimmee; H. C. Cushman, Pensacola; S. A. Lowry, Palatka.

GEORGIA.

Committees—Papers and Queries: George F. Payne, Atlanta; W. F. Sullivan, Columbus; C. S. Bondurant, Thomasville. Executive: W. O. Wakefield, Columbus; W. S. Hendon, Hogansville; R. R. Beasley, Rockmart. Trade Interests: S. C. Durban, Augusta; W. M. Mills, Savannah; J. O. Tigner, Greenville; N. I. Brunner, Macon; L. D. Sledge, Athens. Adulterations: C. S. Bondurant, Thomasville; Theodore Schumann, Atlanta; George D. Case, Milledgeville; R. H. Land, Augusta; W. T. Morgan, Macon. College of Pharmacy: Henry R. Slack, chairman, LaGrange. Legislation: T. S. Bradfield, chairman, LaGrange; W. S. Hendon, Hogansville; N. B. Drewry, Griffin; Y. H. Morgan, Cochran; Harry Sharp, Atlanta.

Delegates. State Associations: Henry R. Palmer, Athens; J. J. Crawford, West Point; H. H. Arrington, Summerville; F. Joerger, Brunswick. Am. Pharm. Assoc.: W. T. Morgan, Macon; Robert Carter, Columbus; C. M. Crosby, Marietta; J. O. McPherson, Savannah; John McMullen, Quitman. Nat. W. D. Assoc.: A. J. Haltiwanger, R. D. Stauffacher, W. A. Taylor, Atlanta; J. A. Solomons, Savannah; H. J. Lamar, Jr., Macon.

ILLINOIS.

EXECUTIVE COMMITTEE.

District (Cong.)

- | | |
|--------------------------------|----------------------------------|
| 1. Walter M. Sempill, Chicago. | 12. Edward Smith, Carrollton. |
| 2. L. Woltersporf, Chicago. | 13. B. N. Ewing, Minier. |
| 3. Chas. F. Hartwig, Chicago. | 14. Chas. C. Reed, Lincoln. |
| 4. A. T. Fleischer, Chicago. | 15. J. S. Frantz, Danville. |
| 5. A. O. Wright, Waukegan. | 16. Sam. F. Wilson, Neoga. |
| 6. A. W. Hartong, Rochelle. | 17. Frank R. Milnor, Litchfield. |
| 7. G. C. Kellogg, Tiskilwa. | 18. H. G. Grosse, Collinsville. |
| 8. Chas. J. Rohe, Crete. | 19. Wm. P. Hallock, Harrisburg. |
| 9. Jno. F. G. Helmer, Paxton. | 20. Math. C. Metzger, Cairo. |
| 10. Chas. Zimmerman, Peoria. | |
| 11. John C. Dunbar, Monmouth. | |

Committees—Legislation: Emil Thiele, Chicago; R. N. Dodds, Springfield; Geo. F. Lester, Arrowsmith; George C. Schoettle, Collinsville; A. P. Cunningham, Champaign. Papers and Queries: H. W. C. Martin, Chicago; L. C. Staudt, Aurora; C. Beukma, Saunemin. U. S. Pharmacopœia: F. C. Bourseheidt, Peoria; W. C. Kirchgasser, Chicago; Henry Biroth, Chicago. Trade Interests: T. N. Jamieson, Chicago; W. M. Benton, Peoria; Thomas Knoebel, East St. Louis. On Adulteration: Albert G. Manns, Chicago; G. H. Adamick, LaSalle; Harry W. Schuh, Cairo. Prize Essays: Albert E. Ebert, Chicago; Geo. M. Bennett, Urbana; Grant McFerson, Kewanee. Unofficial Formulas: C. S. Hallberg, Chicago; H. M. Ehrlicher, Pekin; J. P. Garner, DeKalb. Deceased Members: Frank Fleury, Springfield; A. G. Vogeler, Chicago; Adolph Finke, Alton. Board of Pharmacy Records: Theo. C. Loehr, Carlinville; R. W. Diller, Springfield; Henry Smith, Decatur; D. S. Dyson, Bloomington; Chas. A. Strathman, El Paso. Reorganization: G. H. Sohrbeck, Chairman, Moline. Apprenticeship: W. K. Forsyth, Chicago; W. Bodemann, Chicago; T. S. Arnold, Watseka. Arrangements: Frank Fleury, Chairman, Springfield.

Delegates—American Pharm. Association: L. C. Hogan, Englewood; A. P. Cunningham, Champaign; Paul G. Schuh, Cairo; A. L. Moody, Lockport; Geo. C. Bartells, Camp Point. Nat. W. D. Association: W. W. Marmon, Bloomington; Henry Smith, Decatur; T. N. Jamieson, Chicago. Am. Med. Association: C. S. Hallberg, Chicago; H. W. C. Martin, Chicago; Andrew Scherer, Chicago; T. H. Patterson, Chicago; Oscar Oldberg, Chicago. Ill. Med. Association: John McCord, Vandalia; Theo. C. Loehr, Carlinville; Wm. A. Shriver, Virden. Missouri, P. A.: H. H. Green, Bloomington; G. Walter Burr,

Bridgeport; W. D. Harnist, Edwardsville. Iowa, P. A.: W. W. Sawyer, Rockford; George Werner, Princeton; Henry J. Bauman, Dundee. Michigan, P. A.: Louis Schmidt, Chicago; C. L. Feldkamp, Chicago; J. E. Smith, Kankakee. Wisconsin, P. A.: R. E. Rhode, Chicago; W. S. Pearce, Waukegan; Wm. Hart, Elgin. Indiana, P. A.: W. P. Boyd, Arcola; Chas. E. Barnum, Onarga; J. H. Allen, Marseilles.

INDIANA.

Committees—Executive: Jno. N. Hurty, Frank H. Carter, Indianapolis; August J. Detzer, Fort Wayne. Legislation: J. N. Hurty, Ind'p'lis; G. H. Andrews, Muncie; David Hilt, LaFayette; J. A. Wilson, Terre Haute; W. W. Jones, Greencastle. Pharmacy and queries: John Kennedy, Vincennes; A. L. Green, LaFayette; F. W. Shultz, Brazil. Education: Leo Eliel, South Bend; August J. Detzer, Fort Wayne; E. G. Eberhardt, Indianapolis. Entertainment: Geo. J. Mueller, W. N. Short, Jos. R. Perry, Jos. R. Lilly, John N. Hurty.

Delegates—Am. Phar. Assoc.: George W. Sloan, Jos. K. Lilly, Ind'p'lis; Thomas J. Moffett, Edinburg.

IOWA.

Committees—Executive: T. W. Ruete, Dubuque; E. A. Aldrich, Creston; F. E. Houghton, Adel. Legislative: W. H. Torbert, Dubuque; Norman Lichty, W. F. Crawford, Des Moines. Pharmacy and Queries: Conrad Schadt, Anama; J. M. Guthrie, Tripoli; E. M. Burns, Mason City. Trade Interests: M. W. Ward, Des Moines; J. W. Bennett, Waverly; E. V. Baldwin, Hampton. Transportation: Philip Schlumberger, Denison; F. J. Atwater, Manchester; B. W. Tabor, Independence. Adulteration: Herman Tiarks, Monticello; O. M. Landon, Lawler; J. P. Eckers, Ottumwa. Revision of U. S. P.: Geo. H. Schafer, Ft. Madison; Emil Boerner, Iowa City; H. K. Snider, Grinnell. Fraternal Relations: Dr. Rosa Upson, Marshalltown; W. H. Smith, Shell Rock; E. C. Renkin, Spirit Lake. Obituary: B. F. Osborne, Ripley; H. F. Miles, Charles City; Anton Sartori, Le Mars; J. B. Dougherty, Muscatine. Univ. Dep. Phar.: W. C. Bryant, Cedar Falls, C. R. Wallace, Independence; Jas. Harvey, Dubuque; Isaac James, La Porte City; B. F. Rudolph, Decorah. Aux. Internat. Cong. Phar. World's Columbian Exposition: J. H. Harrison, Davenport; C. A. Weaver, Des Moines; J. H. Pickett, Oskaloosa; J. H. Mitchell, Bloomfield. Membership: F. O. Goldthwait, Chairman, Marengo.

KANSAS.

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Wyoming	W. C. Wilson, Laramie	A. R. Troxell, Cheyenne

CALENDAR OF MEETINGS OF BOARDS OF PHARMACY.—1892.

Alabama	Jan. 12.
Arkansas	Feb. 10; Aug. 10; Nov. 9.
California	Jan. 11.
Colorado.....	Feb. 20; May 21; Aug. 20; Nov. 19.
Connecticut	Mar. 1; Apr. 5; June 8; Sept. 6; Dec. 6.
Delaware	
District Columbia.	
Florida.....	May 20.
Georgia	May 9.
Idaho	
Illinois.....	Apr. 12; May 12; June 14; July 12; Aug. 16; Sept. 13; Oct. 18; Nov. 15; Dec. 13.
Iowa	Apr. 5; May 3; July 5; Aug. 2; Oct. 4; Nov. 1; Dec. 6.
Kansas.....	Mar 9.
Kentucky	Jan 12; Mar. 8; Apr. 12; June 8; Aug. 9; Oct. 10.
Louisiana.....	Feb. 10; May 11; Aug. 10; Nov. 9.
Maine	Feb. 10; Apr. 13; June 8; Aug. 10; Dec. 14.
Maryland	
Massachusetts	May 3; Oct. 4.
Michigan	Mar. 1; July 5; Nov. 1.
Minnesota	Jan. 19; Apr. 19; July 19; Oct. 18.
Missouri	Jan. 4; Apr. 5; July 5; Oct. 3.
Montana.....	
Nebraska	Feb. 9-10; May 11; Aug. 10; Nov. 9.
New Hampshire.....	Jan. 27; Apr. 27; July 27; Oct. 26.
New Jersey.....	Apr. 21; June 16; July 21; Aug. 18; Sept. 15; Oct. 20; Nov. 17; Dec. 15.
New York	Feb. 19.
North Carolina.....	Mar. 15; Aug. 10.
North Dakota	
Ohio	Jan. 11; Mar. 8; May 9; July 26; Oct. 10.
Oklahoma	May 2.
Oregon	
Pennsylvania.....	
Rhode Island.....	Mar. 7; Apr. 4; May 2; Sept. 5; Oct. 3; Nov. 7; Dec. 5.
South Carolina.....	
South Dakota.....	Jan. 6; Apr. 6; July 6; Oct. 5.
Texas	
Virginia	Mar. 15; Oct. 18.
Washington	
West Virginia	July 30.
Wisconsin.....	Jan. 20; Mar. 23.
Wyoming	

PHARMACY LAWS.

DUTIES OF BOARDS.													
ORGANIZATION OF BOARDS.													
NAME.	YEAR.	APPOINTMENT				REPORT TO—		DISPOS. OF FUNDS		MEETINGS—Times Per Year. Minn.	BOARD.	PROSECUTION.	RECEIPTS FROM PROSEC
		Governor.	STATE ASSOCIATION—Recommends.	NUMBER.	QUALIF. EXP.—Years.	NO. OF MEMBERS.	TERMS OF OFFICE—Years.	Governor	STATE ASSOC.					FOR EXPENSES.	BAL. ON HAND.
Ala.	1887	++					3			divided		++	School.
Ark.	1891	++			5	3	3		+	Assoc. State		++	Town
Calif.	1891	++			10	5	4		+	School.		++	Dist.
Colo.	1887	++			1 Phys	3	3		+	+ School.		++	Div.
Conn.	1888	++			Ph. G.	3	3		+	+ +		++	Div.
Del.	1883	++	note		note	5	3		+	State Assoc.		++	State.
Dist. Col.	1878	++			5	4	4		+			++	
Flor.	1889	++			5	5	5		+			++	
Ga.	1891	++			10	3	3		+			++	
Ill.	1891	++			5	3	3		+			++	
Idaho.	1886	++			5	5	5		+			++	
Iowa.	1880	++			10	3	3		+			++	
Kas.	1885	++			5	5	5		+			++	
Ky.	1888	++			10	3	3		+			++	
La.	1889	++			4	5	5		+			++	

PHARMACY LAWS.

REQUIREMENTS FOR REGISTRATION.

NAME.	REGISTERED PHARMACIST.										REGISTERED ASSIST.						
	AGE	EXPERIENCE IN PHARMACY—YEARS.	FEES—HCE ON EXP. ALONE.	EXAMINATION.	FEES.	DIPLOMAS RECOGNIZED.			LICENTIATES OF OTHER BOARDS.	FEES.	REG. ASSISTANTS.	FEES.	ANNUAL RENEWAL.	FEES.	ANNUAL RENEWAL.	FEES.	
						PHARMACY.	MEDICINE.	FEES.									
Alabama	18	4		+	\$3	+		\$3	Note.	\$2				+		\$2	
Arkansas		4		+	5	2	+	5						+		5	
California		3		+	5	2	+	3	1					+			
Colorado		3		+	5	2	+	3						+			
Connecticut		3		+	5	4	+	2						+			
Delaware				+	5	+	+	3						+			
District of Columbia	21	4		+	10	+	+	2						+			
Florida				+	3	+	+	3	Opt.	5				+			
Georgia		3	\$2	+	5	+	+	5						+		1	
Illinois	18	5		+	5	+	+	5						+		1	
Idaho				+	10	+	+	5						+			
Iowa				+	5	+	+	5						+			
Kansas		4		+	5	+	+	5						+		3	

Kentucky	18	3	+	3	+	3	+	\$ 5	.50	18	2	+	3	
Louisiana	21	4	+	3	+	3	+	5				+		
Maine	3	3	+	4	+	1						+	1	.50
Maryland, Balto.			+		+	5				16	2	+	5	
Massachusetts			+		+					18		+		
Michigan	18	4	+		+	5			1			+		
Minnesota	21		+		+				2			+		
Mississippi			+		+	1								
Missouri			+		+									
Montana			+		+									
Nebraska	18	3	+	Note	Note,				2					
New Hampshire			+			2								
New Jersey	21	4	+		Co'n's:							+	+	
New York		4	+		{ N. Y.							+	5	1
New York City			+		{ Erie.							+	1	
N. Y. Erie Co.		4	+		{ K'gs.							+		
N. Y. Kings Co.	18	4	+		Opt.							+		
North Carolina	3	2	+	Note	S. D opt				2	18	2	+	2	.50
North Dakota		2	+						Note.			+	5	.50
Ohio			+						.50	18		+		
Oklahoma	18		+			3						+	2	
Oregon			+		Opt.	5						+	10	
Pennsylvania		4	+	Note		1						+	2	
Rhode Island			+						1	2	3	+		
South Carolina			+						1			+		
South Dakota			+			5			1	18	2	+	2	.50
Tennessee	18	3	+		ND opt	2			5			+		
Texas			+									+	+	
Vermont	21	3	+			3				21	2	+		
Virginia			+		Opt.				1					
Washington		3	+		Opt.	3			2					
West Virginia		3	+											
Wisconsin	21	5	+			2						+	+	
Wyoming			+			3								

PHARMACY LAWS.

NAME.	EXEMPTIONS.										PENALTIES.									
	LAPSE OF CERTIFICATE.	YEARS.	JURY.	REG. ASST.	PHYSICIANS.	MNFRS & DEALRS.				LOCALITIES.		PENALTY.	ADULTERATION—PEN.	POISON.			LIQUORS—PEN.	NON-EXPOSURE OF CERTIFICATE—PEN.	NON-RENEWAL—PEN.	
						WHOLESALE.	DOM. REM.	ORIG. PRGS.	MILES WITHIN REG. PHARM.	NUMBER INHAB'TS	GEN. PROVISIONS.			REGISTRATION.	PENALTY.					
Ala.....	Exp in.	5	+	+	+	+	+	+	+	+	2	900	Each offense	25	100	+	0-100	+	+	100
Ark.....			++	++	++	++	++	++	++	++		Not incorp city	5-100	100	+	50			+	+
Calif.....			++	++	++	++	++	++	++	++		1000	Each offense	50	50	+	10-100			
Colo.....			++	++	++	++	++	++	++	++		500	Each day.	250	50	+				
Conn.....			++	++	++	++	++	++	++	++		200	Each week.	5	100	+				
Del.....			++	++	++	++	++	++	++	++				50	100	+	25	25		
Dist. Col.....			++	++	++	++	++	++	++	++				25	10	+	10			
Flor.....			++	++	++	++	++	++	++	++				25	100	+	100			
Ga.....			++	++	++	++	++	++	++	++				50	100	+	5			
Ill.....	Not practic.		++	++	++	++	++	++	++	++	Reg Asst.	500	Each offense	50	10	+	25	100	+	50
Idaho.....			++	++	++	++	++	++	++	++			Each day.	50	100	+	5			
Iowa.....	Ann Ren'wl.		++	++	++	++	++	++	++	++	5	1000	Each offense	25	100	+	25		rev.	10
Kas.....	Fee \$5.	1	++	++	++	++	++	++	++	++				25	100	+	25		Note.	50
Ky.....			++	++	++	++	++	++	++	++				25	100	+	25			

[illegible]

PHARMACY LAWS—Additional Provisions and Notes.

Alabama	Itinerant license.
Arkansas.....	Itinerant license.
California.	Gov. app. Board every four years. Secretary ex-off. Treasurer. R filed two years copy to Dr.
Colorado	Licentiates of other boards registered as licentiates with privileges of assistants. Recognition of diplomas abolished 1889.
Connecticut. . .	Deposit Poison Record, when filled, with Town Clerk, including Rough on Rats label poison.
Delaware.....	State Medical Association recommends members from which government appoints three (Law '83). Receive no compensation. Sales of preparations of opium in country stores not requiring Registration.
District Columbia.	Commissioners, consisting of three pharmacists, two physicians, every two years. Itinerant license, \$200.
Florida.....	Adulteration, revocation of certificate. Itinerant licensc, \$500. Examinations held for ten applicants.
Georgia	Requires registration of certificate in county. Morphine in scarlet wrapper. Prohibitory sale of preparations of opium (2 grs. to oz.) upon written notice of relative of habitue.
Idaho	Board of three members in each county appointed by county commissioners.
Illinois	Examination—Practical, monthly in Chicago. Secretary not a member of board. Registration on experience optional.
Indiana	Abortifacient law against advertising remedies for females. Sale of liquor prohibited on legal holidays and election days, except on prescriptions.
Iowa.....	Itinerant licensc, \$100 Lye required to be labeled poison. Liquors only sold by registered pharmacists having permits. Secretary not member of board.
Kansas.....	Liquor clause.
Kentucky	Graduates in pharmacy of college incorporated in Kentucky only recognized. Examination fees for towns over 5,000, \$6; 3,000, \$4; under 3,000, \$2. Annual registration of certificate recorded in County Clerk's office; fee, 50 cents. County Clerk reports list of registration annually to grand jury and to secretary of Board of Pharmacy. Calomel, blue stone, coppers and all the common active drugs may be sold by anyone.
Louisiana	Prescriptions to have name of compounder on label. Registration on experience optional.
Maine.	Specifies applying to women.
Maryland, Balto..	Local law to be amended in Legislature 1892. One-half fines go to the Maryland College of Pharmacy. Exempts all but poisons. Nomination by Maryland College of Pharmacy biennially! three appointed.

Massachusetts ..	Poison law requires red label. Liquor license, \$1; sixth class to druggists. Regular state license \$1,500; one license for 1,000 inhabitants.
Michigan.....	Exemption of proprietary medicines only to dealers three years in business.
Minnesota	Amended 1891. Graduates in pharmacy and Medicine, four years' experience in pharmacy or registered physicians in the state. Exempt paris green if labeled poison. Secretary member of board optional.
Mississippi....	Poison law requires registration, and mixing with arsenic in quantities less than one pound, one ounce soot, or one-half ounce indigo to each pound.
Missouri	Liquor—\$25 penalty if sold as beverage; sold only on prescription, except wine for sacramental and alcohol for mechanical uses. Must preserve prescription.
Montana	State Treasurer, Auditor, Attorney-General, Land Commissioner and Secretary of State the Board. Graduates in pharmacy and licentuates registered provisionally to meeting of board.
Nebraska.	Physicians registered if four years' experience in pharmacy.
New Hampshire..	Exempt villages Dom. Rem. Registration, must prove residence in district.
New Jersey	Board revoking certificate on violation. Notification of change of address (twenty days) compulsory, Sign of a "Drug Store" defined as a pharmacy.
New York	Incorporation of the North Carolina Pharmaceutical Association; elects one member annually to fill vacancy on board, who is commissioned by the Governor.
New York City...	Register assistants without examination if two years with registered pharmacist of North Dakota.
N. Y., Erie Co....	Registered physicians of the North Dakota Medical Board registered as pharmacists.
N. Y., Kings Co...	Renewal of certificate triennial; registered pharmacist, \$1; assistants, 50 cents. Separate adulteration and poison laws.
North Carolina...	Governor may appoint physicians as an addition to the board. Registration only upon affidavit of non-use of alcoholic beverages.
North Dakota....	Physicians of three years' continuous practice registered without examination. Renewal triennial.
Ohio.....	Liquors sold on prescriptions only. Poisons defined as destructive to human life in sixty grains or less.
Oklahoma.....	Board revokes certificate if not renewed July 1; also at any time for sufficient cause. Requires filing of prescriptions for five years.
Oregon	
Pennsylvania	
Rhode Island.....	

South Carolina.....	Incorporation of South Dakota State Pharmaceutical Association. State divided in three districts
South Dakota.....	Secretary and treasurer of board are the same officers elected for association. Reporting proceedings of State Association defrayed from fees. Annual renewal not to exceed \$5. Any member of board neglecting duties fined \$50.
Tennessee.....	Poison and adulteration law.
Texas.....	Judge of District Court appoints three members for board in each district.
Vermont.....	
Virginia.....	Incorporation of Virginia State Pharmaceutical Association. Exempts quinine, tincture opium and morphine in original packages of registered pharmacists.
Washington.....	
West Virginia.....	Board of Public Works appoints one from each congressional district (4). Liquor license from town boards, \$10, sales to be registered; otherwise only on prescription.
Wisconsin.....	Exempt Paris green in original packages.
Wyoming.....	Law apparently a dead letter.

SUMMARY OF REQUIREMENTS FOR REGISTRATION.

Age—18-21 years.	Ark., D. C., Ills., Ky., La., Mich., Minn., Neb., N. J., Okla., S. D., Texas.
Experience—years, 2—Col., N. D., W. Va.; 3—ars: Conn., Ga., Ills. (by examination), Ky., Me., Neb., N. C., S. D., Tex., Va., Wash.; 4 years: Cal., D. C., Kan., La., Minn., N. J., N. Y., Penn. 5 years: Ill., Wis.	
Diplomas recognized:	
Pharmacy Only—Ark., Calif., Conn., Idaho, Ia., Kan., Ky., N. C., Okl., Ore., R. I., S. D., Tex., Va., Wash., W. Va., Wis., Wyo	
Pharm. and Medical—Ala., Del., D. C., Fla., Ga., Ia., Me., Minn., Mo., N. J., N. D., S. C.	
Medical Only—Pennsylvania.	
Diplomas not Recognized.—Ill., Mass., Mich., N. Y., Ohio.	
Licentiates of Other Boards Recognized—Conn., Ga., La., Mich.	Optional with many boards.
Annual Renewal Fee—Two Dollars: Col., Conn., Ga., Minn., Neb., N. D., Wash., Wis.	One Dollar: Ill., Ia., Mich., R. I., S. C., Va.
Laws Providing for Regist. Assistants—Cal., Col., Ill., Idaho, Kans., Me., Mich., Minn., N. Y., Ohio, Okla., Penn., R. I., S. D., Tex., Wis.	

NATIONAL WHOLESALE DRUGGISTS' ASSOCIATION.

18th Annual Meeting, Montreal, P. Q. Can., Sept. 1892.
Officers. Pres., Wm. Robinson, Louisville; 1st v.-pres., John McKesson, Jr., New York; 2nd v.-pres., H. T. Clarke, Lincoln; 3rd v.-pres., James H. Rhodes, Chicago; 4th v.-pres., Charles H. Hubbard, Syracuse; 5th v.-pres., Henry B. Gilpin, Baltimore; Sec., A. B. Merriam, Minneapolis; Treas., S. M. Strong, Cleveland.

Board of Control.--Daniel R. Noyes, St. Paul; Alex. H. Jones, Phila.; J. W. Rankin, Atlanta; George K. Hopkins, St. Louis; J. A. Gilman, Boston.

COMMITTEES FOR 1892.

Membership.--M. Cary Peter, Louisville; J. H. Rhodes, Chicago; W. D. Faris, Brent Good, New York; D. D. Phillips, Nashville; F. A. Faxon, Kan. City; G. D. Gilman, Boston; H. Baer, Charleston.

Proprietary Goods.--M. N. Kline, Phila.; Geo. A. Kelley, Pittsburg; Daniel Myers, Clev.; Thos. F. Main, C. N. Crittenton, N. Y.; J. C. Eliel, Minn.; C. F. G. Meyer, St. Louis, Thomas Lord, Chicago; E. W. Fitch, Louisville; Jas. E. Davis, Detroit; Wm. H. Smith, Ind.; N. Ashley Lloyd, Cin.; R. V. Pierce, Buffalo; G. G. Green, Woodbury, N. J.; E. A. Bigelow, Lowell; J. W. Rankin, Atlanta; I. L. Lyons, N. O.; Chas. C. Goodwin, Fred L. Carter, Boston; C. F. Weller, Omaha.

Legislation.--Geo. A. Kelly, Pittsburg; E. Waldo Cutler, Boston; M. N. Kline, Phila.; T. H. Hinchman, Detroit; Geo. K. Hopkins, St. Louis; H. C. Spurlock, Nashville; R. W. Powers, Richmond; John McKesson, Jr., N. Y.; Peter Van-Schaack, Chicago; Chas. Hubbard, Syracuse; Edw. Wells, Burlington, Vt.; J. C. Fox, Atchison; Samuel J. Hale, Cin.; W. A. Hover, Denver; A. Kiefer, Indianapolis.

Drug Market.--Wm. H. Wickham, W. H. Raser, W. O. Allison, John Anderson, John Fulton, Jr., New York; A. B. Rosengarten, Phila.; J. C. Eliel, Minn.; W. Robinson, Louisville; D. Daugherty, St. Louis; M. Langley, San Francisco.

Fire Insurance.--Edward H. Hance, Phila.; W. C. McPike, Atchison; Horace Benton, Clev.; J. W. Crowder, Dallas; F. J. Renz, Chas. P. Barton, Louisville; John S. Moffitt, St. Louis; J. M. Wood, Memphis.

Paints, Oils and Glass.--Wm. H. Weller, St. Louis; Thos. S. Harrison, Phila.; Edw. L. Molineaux, N. Y.; Geo. S. Lord, Chicago; C. J. Lincoln, Little Rock; E. E. Bruce, Omaha; W. P. Colburn, Peoria.

Transportation.--Theo. F. Meyer, St. Louis; Chas. W. Keeler,

N. Y.; Thomas Lord, Chicago; E. L. Stanwood, Portland, Me.; V. M. Pierce, Buffalo; W. A. Hover, Denver; L. Blumauer, Portland, Ore.; John B. Purcell, Richmond; G. R. Finlay, N. O.; R. Cotter, Dallas, Tex.

Credits and Collections.—Geo. M. Oleott, N. Y.; John T. Plummer, Chicago; Chas. H. Pettet, Louisville; C. I. Hood, Lowell; P. P. VanVleet, Memphis; D. R. Noyes, St. Paul; Henry Dohmen, Milwaukee; T. F. Van Natta, St. Joseph; Geo. L. Muth, Balt.; Jos. A. Bell, Wheeling; F. W. Braun, Los Angeles.

Commercial Travelers.—Jt. W. Rankin, Atlanta; John F. Henry, N. Y.; Chas. P. Noyes, St. Paul; J. H. Winkelmann, Balto.; Geo. J. Seabury, N. Y.; C. P. Calvert, Cin.; Geo. B. Kaufmann, Columbus; E. J. Sanford, Knoxville; John W. Phillips, N. O.

Fraternal Relations.—Henry B. Gilpin, Balto.; Alex. H. Jones, Phila.; Jas. Richardson, St. Louis; J. W. Knox, Montreal; H. T. Clarke, Lincoln; Robt. W. Powers, Richmond; Arthur Peter, Louisville; John F. Broderick, St. Paul.

Adulterations.—Henry C. McIlvaine, W. R. Warner, Jr., Jno. G. Bullock, Phila.; Chas. F. Cutler, Boston; W. S. Mercereau, C. E. Tyler, J. L. Kirkland, A. A. Stillwell, N. Y.; R. V. Mattison, Ambler, Pa.; Geo. S. Davis, Detroit.

Paris Green.—Jas. F. Drummond, N. Y.; Daniel Myers, Cleve.; C. S. Littell, N. Y.; Lucien Brunswig, N. O.; J. M. Hinehman, Detroit; W. J. Walding, Toledo; L. H. Harris, Pittsburg.

Box and Cartage.—W. H. Schmidt, Indps.; Wm. S. Hale, Cin.; J. J. Thomsen, Balto.; W. L. Brower, N. Y.; Lester A. Cobb, Cleve.; W. H. Weller, St. Louis; Addison E. Neat, Louisville; Chas. Leich, Evansville.

Obituary Notices.—P. W. Bedford, N. Y.; Daniel Stewart, Indps.; Edw. H. Hance, Phila.; J. W. Plummer, Chicago; John A. Gilman, Boston.

Arrangements and Entertainment.—Charles Lyman, Montreal; Thos. P. Cook, N. Y.; Jas. H. Richardson, Detroit; A. E. Richardson, Burlington, Vt.; Frank S. Hubbard, Buffalo.

Passenger Rates to Convention.—Brent Good, N. Y.; J. M. Peters, N. Y.; Edw. H. Buehler, Chicago; H. J. Lamar, Jr., Atlanta; I. L. Lyons, N. O.; Wm. P. Redington, San Francisco.

Conference—(tripartite)—M. N. Kline, Phila.; Geo. A. Kelly, Pittsburg; Thos. F. Main, N. Y.

Violation of Contracts.—M. N. Kline, Phila.; R. V. Pierce, Buffalo; E. A. Bigelow, Lowell, Mass.

Infringements of Trade Marks.—Fred L. Carter, Boston; Jas. E. Davis, Detroit; Geo. A. Kelly, Pittsburg.

ASSOCIATION OF MANUFACTURERS AND WHOLESALE DEALERS IN PROPRIETARY ARTICLES.

Officers—Pres., R. V. Pierce, Buffalo; 1st V.-Pres., Wm. H. Hall, New York; 2d V.-Pres., Thomas Lord, Chicago; 3d V.-Pres., J. W. Rankin, Atlanta; 4th V.-Pres., L. F. Campbell, St. Louis; Sec., Joseph Leeming, New York; Treas., H. H. Harding, New York.

Executive Committee—R. V. Pierce, Chairman, *ex-officio*, Buffalo; H. B. Harding, John F. Henry, Wm. H. Hall, Henry Dalley, Jr., Thomas Leeming, Brent Good, New York; Chas. F. Pinckham, Lynn, Mass.

Committees—Membership: M. C. Peter, Chm., Louisville, Ky. Legislation: John Hodge, Chm., Lockport, N.Y. Trade Marks: Dr. J. H. Schenck, Chm., Philadelphia, Pa. Trade Interests: E. A. Bigelow, Chm., Lowell, Mass. Transportation: Thomas F. Main, Chm., New York. On infringement of Trade Marks, Rep. this Assoc.: Thos. F. Main, Chm., New York. Rep. Nat. W. D. Assoc.: Fred L. Carter, Chm., Boston, Mass. Joint Conference, Rep. this Assoc.: E. A. Bigelow, Lowell, Mass.; H. M. Sharp, Philadelphia, Pa.; C. C. Voorhies, Woodbury, N. J. Rep. Nat. W. D. A.: M. N. Kline, Philadelphia, Pa.; Thomas F. Main, New York; Geo. A. Kelly, Pittsburg, Pa. Rep. Pharm. Assoc. and Retail Druggists: W. H. Torbert, Dubuque, Iowa; Chas. T. P. Fennel, Cincinnati, Ohio; Henry Canning, Boston, Mass.

Delegates—Nat. W. D. Assoc.: Dr. F. Humphreys, Chm., New York. To the various Pharmaceutical Associations for 1892: J. H. Zeilin, Chm., Philadelphia, Pa.

THE INTERSTATE RETAIL DRUGGISTS' LEAGUE.

Organized in St. Louis, Sept. 3, 1891.

Officers: Pres., Thomas Layton, St. Louis, Mo.; vice-pres., D. F. Goodyear, Memphis, Tenn.; sec., G. Howard Willett, Kas. City, Mo.; treas., George W. Sloan, Indl., Ind.

Ex. Com.—Tenn., D. T. Goodyear, Memphis; Ill., W. Bode-
mann, Chicago; Ky., Robert J. Frick, Louisville; Ind., H. E.
Zimmermann, Indl.; Ohio, C. T. Fennell, Cin.; Kan., W. C.
Schott, Leavenworth; Mo., J. H. Gallagher, Kan. City.

DECLARATION OF PRINCIPLES.

We hereby agree to withdraw our patronage from any wholesale dealer or jobber who knowingly and willfully furnishes cutters with any merchandise whatever. We also agree to discontinue the sale of any patent or proprietary articles furnished to cutters by manufacturers or through their agents.

Constitution.

1. This organization shall be known as the Interstate Retail Druggists' League.

2. The object of this league shall be to promote the trade interests of the retail druggists.

3. The officers shall consist of a president, vice-president, secretary, treasurer and executive committee.

The treasurer shall give bond in such amount as is determined by the executive committee, the league paying for same.

4. The membership shall consist of delegates of local organizations of the various states represented in this league and apportioned one delegate for each hundred membership or fraction thereof, it being understood that a fraction is not less than twenty-five.

5. The officers shall be elected by ballot, and shall serve until their successors are duly elected and qualified.

6. Each executive committeeman shall inquire into all complaints in his district, and report the same to the executive committee for adjustment forthwith. The executive committee shall consist of the officers of this league and one representative from each state, to be nominated by the delegate of said state and elected by the league. In case of failure of any state delegate to select a member in that committee this league shall elect the delegate from the state.

7. Nine members shall constitute a quorum for the transaction of business, provided five states are represented.

8. Amendments to this constitution may be made by a two-thirds vote at any regular session, notice being given at a previous meeting.

9. The executive committee shall be empowered to make an assessment not to exceed one dollar per capita per annum.

Delegates.—Nat. W. D. Assoc. and Assoc. Manuf. and Dealers in Prop. Med.: F. H. Carter, Inds.; M. W. Alexander, St. Louis; T. N. Jamieson, Chicago; R. J. Frick, Louisville; C. T. P. Fennell, Cin.

QUEBEC, CANADA.

Officers—Pres., Henry R. Gray, Montreal; 1st v-pres., Joseph E. Morrison, Quebec; 2nd v-pres., R. W. Williams, Three-Rivers; treas., A. Manson, Montreal; asst.-treas. and reg., E. Muir.

Council.—John[^] T. Lyous, C. A. Nelson, A. E. DuBerger, Jos. A. Dawson, W. S. Kerry, J. R. Parkin, Rod. Carriere, Montreal; A. LaRue, Quebec.

Examiners.—Henry R. Gray, Chm.

E. MUIR, Sec., 595 Lagauchetiere street, Montreal.

SECRETARIES OF STATE ASSOCIATIONS AND BOARDS OF PHARMACY.

The annual meeting White Mountains, N. H., July 18, 1892.

Officers.—Pres., Wiley Rogers, Louisville, Ky.; vice-pres., James Vernor, Detroit, Mich.; sec. and treas., William Simpson, Raleigh, N. C.

Executive Board.—F. C. Godbold, New Orleans, La., S. E. Parkill, Owosso, Mich.; I. A. Keith, Lake Preston, S. D.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

President, Joseph Le Conte, Berkeley, California.

Secretaries, Permanent, F. W. Putnam, Cambridge, Mass.; Annual, Amos W. Butler, Brookville, Ind.; Council, T. H. Norton, Cincinnati.

Section of Chemistry: President, A. Springer, Cincinnati; Secretary, J. L. Howe, Louisville, Ky. Forty-first annual meeting Rochester, N. Y., last week in August, 1892.

BRITISH PHARMACEUTICAL CONFERENCE, 1892.

President, E. C. C. Stanford, Dalmuir.

Vice-Presidents: Michael Carteigh, London; W. Gilmour, Edinburgh; J. C. Tresh, Chelmsford; J. R. Young, Edinburgh.

Treasurer, R. H. Davies, London.

General Secretaries, W. A. H. Naylor, London, and F. Ransom, Hitchin.

Thirtieth Annual Meeting, Edinburgh, Scotland, in September. Peter Boa, Local Secretary.

INTERNATIONAL PHARMACEUTICAL CONGRESS.

M. Vande-Vyvere, Brussels, Belgium, General Secretary Sixth Triennial Congress, Brussels, 1887.

Committee on Organization for Seventh Congress, projected for Milan, Italy, 1890.

President, Senator Comm., Prof. Stanislas Cannizzaro, Vice-President Senate of Italy.

Vice-Presidents: Dioscoride Vitali and Giuseppe Pessina. Secretaries: Arturo Costoldi and Vittorio Venturini.

AMERICAN MEDICAL ASSOCIATION.

1891-1892

PRESIDENT—Dr. H. O. Marey, Boston, Mass.

FIRST VICE-PRES.—Dr. Willis P. King, Missouri.

SECOND VICE-PRES.—Dr. Henry Palmer, Wisconsin.

THIRD VICE-PRES.—Dr. W. E. B. Davis, Alabama.

FOURTH VICE-PRES.—Dr. W. E. Taylor, California.

TREASURER—Dr. Richard J. Dunglison, Pennsylvania.

SECRETARY—Dr. W. B. Atkinson, Pennsylvania.

LIBRARIAN—Dr. Geo. W. Webster, Illinois.

EDITOR—Dr. J. C. Culbertson, Chicago, Ill.

CHM. COM. ARRANGM.—Dr. H. O. Walker.

BOARD OF TRUSTEES—('92) P. O. Hooper, Little Rock, Ark.; Alonzo Garcelon, Lewiston, Me.; Isaac N. Love, St. Louis, Mo.; ('93) John B. Hamilton, Chicago, Ill.; Daniel E. Nelson, Chattanooga, Tenn.; John V. Shoemaker, Philadelphia, Pa.; ('94) W. W. Dawson, Ohio; W. W. Potter, New York; J. H. Rauch, Illinois.

JUDICIAL COUNCIL—(Elec. '89), N. S. Davis, Ill.; H. Brown, Ky.; R. C. Moore, Neb.; G. B. Gespie, Tenn.; T. A. Foster, Me.; J. B. S. Holmes, Ga.; H. O. Walker, Michigan, to fill vacancy. (Elec. '90), X. C. Scott, Ohio; W. F. Peck, Iowa; J. A. Lane, Kan.; J. H. Murphy, Minn.; T. J. Happel, D. J. Roberts, Tenn.; A. Garcelon, Me. (Elec. '91), W. T. Bishop, Pa.; G. L. Porter, Conn.; James F. Hibbard, Ind.; C. H. Hughes, Mo.; Hunter McGuire, Va.; A. M. Owen, Ind.; H. D. Didama, New York.

PLACE OF MEETING, 1892—Detroit, Mich., June 8.

OFFICERS OF SECTIONS.

Obstetrics and Diseases of Women, Chm., E. E. Montgomery, Philad.; Sec., F. H. Martin, Chicago.

Surgery and Anatomy; Chm., J. McF. Gaston, Atlanta, Ga.; Sec., W. F. Mann, Detroit.

State Medicine, Chm., Benjamin Lee, Philad.; Sec., L. F. Flick, Philad.

Ophthalmology, Chm., J. L. Thompson, Indianapolis; Sec., G. de Schweinitz, Philad.

Laryngology and Otology, Chm., C. H. Burnett, Philad.; Sec., A. B. Thrasher, Cincinnati.

Diseases of Children, Chm., E. F. Brush, Mt. Vernon, N. Y.; Sec., B. A. Waddington, Salem, N. J.

Oral and Dental Surgery, Chm., J. Taft, Cincinnati, Ohio; Sec., E. S. Talbot, Chicago.

Neurology and Medical Jurisprudence, Chm., Harold N. Moyer, Chicago; Sec., G. R. Strawbridge, Danville, Pa.

Dermatology and Syphilography, Chm., L. D. Bulkley, New York; Sec., J. C. McGuire, Washington, D. C.

Materia Medica and Pharmacy, Chm., F. Woodbury, Philad.; Sec., H. M. Whelpley, St. Louis.

Physiology and Dietetics, Chm., C. H. A. Kleinsehmidt, Washington, D. C.; Sec., Ephraim Cutter, New York.

Practice of Medicine, Chm., R. T. Edes, Jamaica Plains, Mass.; Sec., Jas. M. French, Cincinnati, O.

Addresses.—General Medicine—J. S. Cain, Tenn.; General Surgery—John B. Hamilton, Ill.; State Medicine—C. A. Lindsley, Conn.

AMERICAN CHEMICAL SOCIETY.

President, G. C. Caldwell, Cornell University;

Vice-pres., E. S. Wood, Harvard; C. B. Dudley, Altoona, Pa.; Edward Hart of Lafayette College, Easton, Pa.; A. A. Brenneman, Morris Loeb, A. R. Leeds, New York.

Corresponding secretary, A. C. Hale.

Recording secretary, Durand Woodman.

Treasurer, C. F. McKenna.

Curators, J. H. Wainwright, John Cawley, and Dr. T. B. Spillman.

Directors, R. W. Hall, J. F. Geisler, A. P. Hallock, Dr. L. H. Friedburg, J. H. Stebbins, Jr.

Advisory council: F. W. Clarke, Washington; Alfred Springer, Cincinnati; H. W. Wiley, Washington; L. P. Kinnicut, Worcester.

AMERICAN MICROSCOPICAL SOCIETY.

President, Marshall D. Ewell, M. D., Chicago.

Vice-pres., Robert Reyburn, M. D., Washington, D. C.; R. J. Nunn, Savannah, Ga.

Secretary, H. W. Seaman, Washington, D. C.

Treasurer, C. C. Mellor, Pittsburg, Pa.

Executive Committee, J. A. Miller, M. D., Buffalo, N. Y.; E. W. Claypole, Akron, O.; J. M. Lamb, M. D., Washington, D. C.

CALENDAR OF MEDICAL ASSOCIATIONS.

NAME.	PRESIDENT.	SECRETARY.	TIME AND PLACE. 1892.
American Med. Ass'n	H. O. Marey, Boston	W. B. Atkinson, Philadelphia	Detroit..... June 7.
Alabama.....	B. J. Baldwin, Mobile	T. A. Means, Huntsville	Montgomery..... April 12.
Arkansas.....	J. S. Shibley, Paris	L. P. Gibson, Little Rock	Little Rock..... June 2
California.....	O. O. Burgess	W. W. Kerr, San Francisco	San Francisco..... April 19.
Colorado.....	W. M. Strickler	C. Parkhill, Denver	Denver..... June 21.
Connecticut.....	C. A. Lindsley, New Haven	N. E. Worden, Bridgeport	New Haven..... May 25.
Dakota, North.....	W. C. Shurlock, Fargo	Dr. Jackson, Grand Forks	Grand Forks..... May 27.
Dakota, South.....	M. W. Ware, Salem	R. C. Warne, Mitchell	Salem..... June 8.
Delaware.....	J. H. Chandler	W. C. Pierce, Wilmington	Dover..... June 14.
Florida.....	?	J. M. Fernandez, Jacksonville	Key West..... April 5.
Georgia.....	G. W. Mulligan, Washington	D. H. Howell, Atlanta	Columbus..... April 12.
Illinois.....	C. C. Hunt, Dixon	D. W. Graham, Chicago	Vandalia..... May 19.
Indiana.....	E. Walker, Evansville	E. Silder, Indianapolis	Indianapolis..... May 12.
Iowa.....	G. F. Jenkins, Keokuk	C. F. Darnell, W. Union	Des Moines..... May 17.
Kansas.....	J. E. Oldham, Wichita	Dr. Lindsay, McPherson	Ft. Scott..... May 3.
Kentucky.....	Dr. Brown, Hustonville	Dr. Steele Bailey, Stanford	Louisville..... May 3.
Louisiana.....	J. B. Elliot, New Orleans	P. B. McCutcheon, N. Orleans	New Orleans..... April 12.
Maine.....	E. M. Fuller, Bath	C. O. Smith, Portland	Portland..... June 8.
Maryland.....	W. H. Welch, Baltimore	Lane Tancyhill, Baltimore	Baltimore..... April 26.
Massachusetts.....	A. H. Johnson, Salem	F. W. Goss, Roxbury	Boston..... June 8.
Michigan.....	G. E. Ranney, Lansing	C. W. Hitchcock, Detroit	Flint..... May 3.

Minnesota.....	P. Ritchie, St. Paul.....	C. B. Witherle, St. Paul.....	St. Paul.....	June 15.
Mississippi.....	J. G. Murray, Ripley.....	H. H. Harolson, Forest.....	Natchez.....	April 20.
Mississippi Val. Med.....	C. A. L. Reed, Cincinnati.....	E. S. McKee, Cincinnati.....	Cincinnati.....	October 14.
Missouri.....	T. Prewitt, St. Louis.....	J. C. Mulhall, St. Louis.....	Pirtle Springs.....	May 17.
Montana.....	J. H. Owing, Deer Lodge.....	J. W. Gunn, Butte.....	Butte.....	April 20.
Nebraska.....	C. Inches, Scribner.....	M. L. Hildreth, Lyons.....	Omaha.....	May 10.
New Hampshire.....	W. W. Russell, Concord.....	G. P. Conn, Concord.....	Concord.....	June 20.
New Jersey.....	E. J. Marth, Patterson.....	W. Pierson, Orange.....	Atlantic City.....	June 23.
New York Association.....		E. D. Ferguson, Troy.....	New York.....	November 15.
New York Society.....		F. C. Curtis, Albany.....	February.....	1893.
North Carolina.....	W. T. Cheatham.....	J. M. Hays, Oxford.....	Wilmington.....	May 24.
Ohio.....	G. A. Colliamore, Toledo.....	T. V. Fitzpatrick, Cincinnati.....	Cincinnati.....	May 3.
Oregon.....	F. Canthorn, Portland.....	C. H. Wheeler, Portland.....	Portland.....	June 10.
Oklahoma.....	C. B. Bradford.....	Loss Walker.....		
Pennsylvania.....	S. L. Kurtz, Reading.....	W. B. Atkinson, Philadelphia.....	Hamburg.....	June 17.
Rhode Island.....		W. R. White, Providence.....	Providence.....	June 2.
South Carolina.....	J. R. Bratton, Yorkville.....	W. P. Porcher, Charleston.....	Georgetown.....	April 20.
Tennessee.....	J. W. Penn, Humboldt.....	D. E. Nelson, Chattanooga.....	Knoxville.....	April 12.
Texas.....	W. H. Wilkes, Waco.....	H. A. West, Galveston.....	Tyler.....	April 26.
Vermont.....	J. N. Jenne, St. Louis.....	D. C. Hawley, Burlington.....	Montpelier.....	October 14.
Virginia.....	N. G. Latham, Lynchburg.....	L. B. Edwards, Richmond.....	Luray.....	September 12.
Washington.....	H. C. Willison, Pt Townsend.....	E. E. Heg, North Yakima.....	North Yakima.....	May 4.
West Virginia.....	Dr. Shriver, Bethany.....	Dr. Mayer, Charleston.....	Clarksburg.....	June.
Wisconsin.....	G. F. Wittock, Grand Rapids.....	C. S. Sheldon, Madison.....	Milwaukee.....	May 4.

LIST OF MEDICAL COLLEGES

IN NORTH AMERICA.

UNITED STATES.

ALABAMA:

- Mobile—Medical College of Alabama.

ARKANSAS:

- Little Rock—Med. Dep't. Ark. Ind. University.

CALIFORNIA:

- San Francisco—Cooper Medical College.
- Toland Medical College, Univ. Calif.
- California Medical College (Ecle.)
- Hahnemann Hospital College (Hom.)
- Los Angeles—College of Med., Univ. Southern Calif.

COLORADO:

- Denver—Univ. Denver, Medical Dept.
- Boulder, Medical Dept. University Colo.
- Gross Med. College (Rocky Mt. Univ.).

CONNECTICUT:

- New Haven—Yale Medical School (Yale Univ., Dept. of Med.).

DISTRICT OF COLUMBIA:

- Washington—National Med. College, Dept. Columbian Univ.
- University of Georgetown, Medical Dept.
- Howard University, Medical Dept.
- Medical Dept., National University.

GEORGIA:

- Augusta—Medical Col. of Georgia, Dept. Univ. Geo.
- Atlanta—Atlanta Medical College.
- Georgia College of Eclectic Medicine and Surgery.
- Southern Medical College,
- Woman's Medical College of Ga., and School for Nurses.

ILLINOIS:

- Chicago—Rush Medical College, Dept. Lake Forest Univ.
- College of Physicians and Surgeons of Chicago.
- Chicago Medical College, Dept. North-Western Univ.
- Hahnemann Medical College (Homeo.).
- Bennett College of Eclectic Med. and Surgery.
- Woman's Medical College of Chicago.
- Chicago Homoeopathic Medical College.
- Physio-Medical Institute.

INDIANA:

- Indianapolis—Physio-Medical College of Indiana.
- Medical College of Indiana.
- Central College of Physicians and Surgeons.

Fort Wayne—Fort Wayne College of Medicine, M. Dept.
Taylor Univ.
Indiana Eclectic Medical College.
Eclectic College of Physicians and Surgeons.

IOWA:

Iowa City—Med. Dept. Univ. of Iowa.
Homœopathic Med. Dept. Univ. of Iowa.
Des Moines—Iowa College Phys. and Surgeons, M. Dept.
Drake Univ.
Iowa Eclectic Medical College.
Keokuk—College of Physicians and Surgeons.
Keokuk Medical College.

KANSAS:

Lawrence—Univ. of Kan., Preparatory Medical Course.
Wichita—Wichita Medical College.
Topeka—The Kansas Medical College.

KENTUCKY:

Louisville—Med. Dept. Univ. of Louisville.
Kentucky School of Medicine.
Louisville Medical College.
Hospital College of Medicine, Dept. Central Univ. Ky.
Louisville National Med. College (Diplomas not recognized).

LOUISIANA:

New Orleans—Med. Dept. Tulane Univ. of Louisiana.
Med. Dept. New Orleans Univ. (Colored).

MAINE:

Brunswick—Medical School of Maine, Bowdoin College.
Portland—Portland School for Medical Instruction.

MARYLAND:

Baltimore—School of Medicine, Univ. of Maryland.
College of Physicians and Surgeons.
Baltimore Medical College.
Woman's Medical College, Baltimore
Baltimore University School of Medicine.
Med. Dept. Johns Hopkins' Univ.

MASSACHUSETTS:

Boston—Harvard Univ. Medical School.
Boston Univ. School of Medicine (Homœo.).
College of Physicians and Surgeons.
Worcester—Med. Dept. Clark University.

MICHIGAN:

Ann Arbor—Dept. Med. and Surgery Univ. of Mich.
Homœopathic Med. College, Univ. of Mich.
Detroit—Detroit College of Medicine.
Michigan Col. Medicine and Surgery.

MINNESOTA:

- Minneapolis—Minneapolis Col. Phys. and Surgeons.
- College Medicine and Surgery, Dept. Univ. of Minn.
- College Homeo. Medicine and Surgery, Univ. of Minn.

MISSOURI:

- Columbia—Med. Dept. Univ. of Mo.
- Kansas City—Kansas City Medical College.
- University Med. College of Kansas City.
- Kansas City Homeopathic Medical College.
- St. Joseph—North-Western Medical College, St. Joseph, Mo.
- Ensworth Medical College.
- St. Louis—Missouri Medical College.
- St. Louis Medical College.
- Homeopathic Medical College of Mo.
- St. Louis Col. Physicians and Surgeons.
- American Medical College (Eclectic).
- Beaumont Hosp. Med. College.
- St. Louis Hygienic Col. Phys. and Surgeons.
- The Marion-Sims College of Medicine.

NEBRASKA:

- Lincoln—Med. Dept. Corner Univ.
- Omaha—Omaha Medical College.

NEW HAMPSHIRE:

- Hanover—Dartmouth Medical College.

NEW JERSEY: (None).**NEW YORK:**

- Albany—Albany Med. College, Dept. Union Univ.
- Brooklyn—Long Island College Hospital.
- Buffalo—Med. Dept. Univ. of Buffalo.
- Med. Dept. Niagara Univ.
- Syracuse—College of Medicine, Syracuse Univ.
- New York—College Physicians and Surgeons, Dept.
- Columbia College.
- Med. Dept. Univ. of City of N. Y.
- New York Homeopathic Medical College.
- Bellevue Hospital Med. College.
- N. Y. Med. College and Hosp. for Women (Homeo.).
- Eclectic Med. College of N. Y.
- Woman's Medical College of the New York Infirmary.

NORTH CAROLINA:

- Raleigh—Leonard Medical School, Dept. Shaw Univ.

OHIO:

- Cincinnati—Medical College of Ohio.
- Med. Dept. Univ. of Cincinnati.
- Eclectic Medical Institute.
- Cin. College of Medicine and Surgery.

Woman's Medical College, Cincinnati Col Med.
 Miami Medical College, Univ. of Cin.
 Pulte Medical College (Homeop.).
 American Eclectic Medical College.
 Women's Medical College of Cin.

Cleveland—Med. Dept. Western Reserve Univ.

Homeopathic Hospital College.

Med. Dept. Univ. of Wooster.

Cleveland Medical College (Homeo.).

Columbus—Starling Medical College.

Columbus Medical College.

Lebanon—Nat. Normal Univ., College of Medicine.

Toledo—Toledo Medical College.

North-Western Ohio Medical College.

OREGON:

Portland—Med. Dept. Willamette Univ.

Med. Dept. Univ. of State of Oregon.

PENNSYLVANIA:

Philadelphia—Med. Dept. Univ. of Penn.

Jefferson Medical College.

Hahnemann Medical College and Hospital (Hom.).

Woman's Medical College of Penn.

Medico-Chirurgical College of Philadelphia.

Pittsburgh—Western Pa. Medical College.

SOUTH CAROLINA:

Charleston—Med. Col. State of South Carolina.

TENNESSEE:

Nashville—Depts. Univ. of Nashville and Vanderbilt.

Med. Dept. Univ. of Tenn. (Nashville Med. Col.).

Meharry Med. Dept., Central Tenn. College.

Memphis—Memphis Hosp. Med. Col. (Dept. South-Western Baptist Univ.).

Hannibal Med. Col.

Chattanooga—Chattanooga Med. Col., Dept. U. S. Grant Univ.

TEXAS:

Galveston—Texas Med. Col. and Hospital.

VERMONT:

Burlington—Med. Dept. Univ. of Vermont.

VIRGINIA:

Charlottesville—Med. Dept. Univ. of Virginia.

Richmond—Medical College of Virginia.

WASHINGTON:

Spokane Falls—Univ. of Spokane Falls. Col. of Medicine.

CANADA.

ONTARIO:

Toronto—College of Phys. and Surg. of Ontario.

Univ. Toronto Medical Faculty.

Trinity Medical College.

Woman's Medical College (Univ. Toronto), and Trinity College.

Kingston—Royal College of Phys. and Surgeons.

Women's Medical College (Queen's University).

London—Medical Dep't. Western University.

QUEBEC:

Montreal—McGill University.

Ecole de Medecine et de Chirurgie.

Univ. Bishop's College, Med. Faculty.

Medical Dep't. Laval University.

NOVA SCOTIA:

Halifax—Halifax Med. College, Dalhousie Univ.

MANITOBA:

Winnipeg—Manitoba Medical College, Univ. Manitoba.

VETERINARY COLLEGES.

UNITED STATES.

ILLINOIS.

Chicago.—Chicago Veterinary College.

IOWA.

Des Moines—Iowa Veterinary College.

MISSOURI.

Kansas City.—Kansas City Veterinary College.

NEW YORK.

New York.—American Veterinary College. College of Veterinary Surgery and School of Comparative Medicine.

OHIO.

Cincinnati.—Ohio Veterinary College.

PENNSYLVANIA.

Philadelphia.—Univ. Penn., dep't. Vet. Med.

CANADA.

MONTREAL.—McGill Univ., dep't. Veter. Science.

ONTARIO.—Ontario Veterinary College.

POSOLOGICAL SCHEME.

A METHOD FOR THE ESTIMATION OF THE DOSE OF ANY PREPARATION FROM THE PERCENTAGE STRENGTH OF THE DRUG.

The Doses of pharmaceutical preparations, as given in most Dose-books, etc., are usually not in accord with their drug-strength, and not infrequently entirely at variance with the dose of the drugs they are intended to represent.

The only exact or scientific method for the determining of Doses of the preparations of drugs is to base such determination upon the amount of crude drug represented in the respective preparations. From the accepted dose of the drug may then be easily determined the proportionate doses of the respective preparations.

In the following reference list the minimum and maximum doses of the Drugs are given, first in the apothecaries' or troy weight, usually grains, and secondly in the metric system, usually expressed in decimals alone.

In the last column the strengths of the various preparations of the drugs are given expressed in percentages in figures enclosed in brackets, except in the case of Fluid Extracts, being the same strength as the Drug, are invariably 100.

By dividing the Drug, which is taken at 100, by the percentage strengths of the various preparations we obtain the number of parts or decimal proportions, required of each respective preparation to represent one part of the Drug. If, as in the case of aconite or opium, the dose of the Drug is one grain, then the percentage obtained (quotient) represents the number of grains or fractions of each preparation representing one grain of the Drug.

Take for example Aconite. By dividing the Drug (100) by the percentage strengths of its respective preparations we obtain the following as the dose in grains of these preparations:

The drug.	Percentage of preparations.	Proportion rep 1 of drug.	or of 1 grain Dose.
100 --:- Tincture	40	= 2.5	= 2.5 min.
100 --:- Fl. Extract	100	= 1.	= 1 min.
100 --:- Abstract	200	= 0.5	= $\frac{1}{2}$ grain.
100 --:- Extract	500	= 0.2	= $\frac{1}{5}$ grain.

If the dose of a drug is 10 grains, then the dose of such respective preparations is 10 times as much; 5 grains, 5 times as much, and 3 grains, 3 times as much, as the proportions, or the quantitles in the last row of figures.

For example, nux vomica; dose 3 grains:

300 --:- Tinct.	20	= 15.	or 15 min.
300 --:- Fl. Ext.	100	= 3.	or 3 min.
300 --:- Abst.	200	= 1.5	or 1.5 grains.
300 --:- Extract	1000	= 0.3	or 0.3 grains.

TABULAR EXHIBIT OF DOSES OF PREPARATIONS OF VARIOUS STRENGTHS. Estimated from the Doses of the Drugs.

PERCENTAGES OF PREPARATIONS—DRUG AT 100.	DOSE OF DRUG IN GRAINS OR MINIMS.										
	1 gr.	2	3	5	10	15	20	30	60	120	
Tincts..... 5	20	40	60	100	200	300	400	600			
Tincts, Spirits, Tritur.. 10	10	20	30	50	100	150	200	300	600		
Tincts, Syrups..... 20	5	10	15	25	50	75	100	150	300	600	
Tincts... 50	2	4	6	10	20	30	40	60	120	240	
Fl. Exts..... 100	1	2	3	5	10	15	20	30	60	120	
Abstracts 200	$\frac{1}{2}$	1	$1\frac{1}{2}$	$2\frac{1}{2}$	5	$7\frac{1}{2}$	10	15	30	60	
Extracts. 400	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	$2\frac{1}{2}$	$3\frac{3}{4}$	5	$7\frac{1}{2}$	15	30	
Extracts ... 500	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{3}{5}$	1	2	3	4	6	12	24	
Extracts..... 1000	$\frac{1}{10}$	$\frac{1}{5}$	$\frac{3}{10}$	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	3	6	12	
Resins ... 2000	$\frac{1}{20}$	$\frac{1}{10}$	$\frac{3}{20}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	3	6	

DOSE OF DRUG IN GRAMS AND EQUIVALENTS.

PERCENTAGE OF PREPARATIONS. (Drug 100.)	0.01 1 centig.	0.05 5 centig.	0.06 1 grain	0.1 1 decig.	0.2 2 decig.	0.3 5 grains.	0.5 $\frac{1}{2}$ gram.	0.65 10 gr's	1 Gram $15\frac{1}{2}$ grs.	3 Grams 46 grains
Tinct..... 5	$\frac{1}{3}$ C.C.	1 C.C.	$1\frac{1}{3}$ C.C.	2 C.C.	4 C.C.	6 C.C.	10 C.C.	13 C.C.	20 C.C.	60 C.C.
Tinct..... 10	$\frac{1}{10}$ "	$\frac{1}{2}$ "	$\frac{6}{10}$ "	1 "	2 "	3 "	5 "	$6\frac{1}{2}$ "	10 "	30 "
Tinct..... 20	$\frac{1}{20}$ "	$\frac{1}{4}$ "	$\frac{3}{10}$ "	$\frac{1}{2}$ "	1 "	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "	$3\frac{1}{4}$ "	5 "	15 "
Tinct..... 50	$\frac{1}{50}$ "	$\frac{1}{10}$ "	$\frac{1}{8}$ "	$\frac{1}{5}$ "	$2\frac{2}{5}$ "	$3\frac{3}{5}$ "	1 "	$1\frac{1}{4}$ "	2 "	6 "
Fl. Exts. 100	$\frac{1}{100}$ "	$\frac{1}{20}$ "	$\frac{1}{16}$ "	$\frac{1}{10}$ "	$\frac{1}{5}$ "	$\frac{1}{3}$ "	$\frac{1}{2}$ "	$\frac{2}{3}$ "	1 "	3 "
Abst.... 300	Gram. 0.005	Gram. 0.025	Gram. 0.03	Gram. 0.05	Gram. 0.1	Gram. 0.15	Gram. 0.25	Gram. 0.32	Gram. 0.5	Gram. 1.5
Extr..... 400	0.0025	0.012	0.015	0.025	0.05	0.075	0.125	0.16	0.25	0.75
Extr..... 500	0.002	0.01	0.012	0.02	0.04	0.06	0.1	0.12	0.2	0.6
Extr.... 1000	0.001	0.005	0.006	0.01	0.02	0.03	0.05	0.06	0.1	0.3
Resin.... 2000	$\frac{1}{2}$ mg.	$2\frac{1}{2}$ mg.	3 mg.	$\frac{1}{2}$ ctg.	1 ctg.	$1\frac{1}{2}$ ctg.	$\frac{1}{2}$ decg.	6 c'g.	1 decg.	3 decg.

DRUGS OF VEGETABLE AND ANIMAL ORIGIN.

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Abrus Precatorius	Jequirity.....	seed.	.....	not internally.....In Ophthalmic practice. Grains Grams
<i>Absinthium</i>	Wormwood.....	herb	.....	20-40.....1.5-3.....Aromatic wine.
<i>Acacia</i>	Gum Arabic.....	gum.	.....	Mucilage (53).
<i>Acetosella</i>	Wood Sorrel.....	herb.	.....	15-30.....1.-2.
<i>Achillea</i>	Milfoil. Yarrow.....	herb.	.....	60.....4.....Extract Millefol.
<i>Aconitum</i>	Aconite.....	root.	.....	1-2.....0.06-0.12.....Extract (500). Abstract (200). Fl. Ext. (100). Tincture (40).
<i>Aconiti Folia</i>	Aconite leaf.....	leaf.	.....	same as root.....Tincture (15).
<i>Aconitine</i>	Cryst. Alkaloid.....	.....	.....	.01-.02 grain.....Granules.
<i>Adonis Vernalis</i>	False Hellebore.....	herb.	.....	1-2.....0.06-0.12.....Fl. Ext.
<i>Adiantum</i>	Maidenhair.....	fern.	.....	60.....4.....Fl. Ext.
<i>Aesculus</i>	Horsechestnut.....	bark.	.....	30-120......2.-8.....Fl. Ext.
<i>Esculia</i>.....	.....	glucoside.....	.....	5-15.....0.3-1.0.
<i>Agaric</i>	Touchwood, Spunk.....	fungus.	.....	5-10.....0.2-0.6.....Fl. Ext.
<i>Agaricin</i>	From.....	glucoside.....	.....	0.01-0.1.....
<i>Agrimonia</i>	Agrimony.....	herb and root	.....	60-120.....4-8.....Fl. Ext.
<i>Ailanthus</i>	Tree of Heaven.....	b'k of root	.....	5-20.....0.3 1.5.....Fl. Ext.
<i>Alder, Black</i>	Refer to <i>Prinos</i>.	.....	.....	.....
<i>Alder, Tag</i>	Refer to <i>Alnus</i>.	.....	.....	.....
<i>Aletris</i>	Starwort, False Unicorn.....	root	.....	10-30.....1.-2.....Fl. Ext.
<i>Aletrin</i>	From.....	Resinoid	.....	1-2.....0.06-0.12
<i>Allium</i>	Garlic.....	bulb	.....	Syrup (15).

* 1. The cryst. Alkaloid of Duquesnel; must not be confounded with the eclectic concentration, dose 0.1 grain.

Alkekengi	Winter Cherry	fruit	6-12 fruits.		
Aloe	Aloes	insp. juice	5-15 .. 0.3-1.	Ext. Aq. (200). Aloe Purif. (100). Tinct. (10). Fl. Ext. Syrup (4).	
Alnus	Tag Alder	bark	15-60 .. 1.-4 ..		
Althæa	Marshmallow	root			
Allspice	Refer to Pimenta.				
Allspice, Florida	Refer to Calycanthus.				
Alum Root	Refer to Heuchera.				
Alveloz	Euphorbia Heterod.	milk juice		local application for Cancer.	
American Ivy	Refer to Ampelopsis.				
American Hellebore	Refer to Veratrum viride.				
American Hemp	Refer to Cannabis.				
American Saffron	Refer to Carthamus.				
American Sarsaparilla	Refer to Smilax				
American Veratrum	Refer to Verat. viride.				
Ammoniacum	Ammoniac	gum resin	10-30 .. 1.-2 ..	Mixture (4). Emulsion Plasters. Tincture, Fl. Ext. Syrup (3) Mixt. (6), Syr. (10). Glycrite (10), Iodized,	
Ampelopsis	American Ivy	bark	30-60 .. 2-4 ..		
Amygdala amara	Bitter Almond	seed			
Amygdala dulcis	Sweet Almond	seed			
Amylum	Starch	fecula			
Anacardium Olee	Cashew nut	seed			
Anethum	Dill	fruit		Fl. Ext.; Oil.	
Angelica	A. Archangel	root	15-30 .. 1.-2 ..	Fl. Ext.; Oil.	
Angostura	Refer to Cusparia				
Anisum	Anise	fruit	15-30 .. 1.-2 ..	Fl. Ext. Oil.	
Anthemis	Chamomile, Rom. or Eng.	flower	15-30 .. 1.-2 ..	Fl. Ext.; Oil.	
Apium graveolens	Celery	fruit	15-30 .. 1.-2 ..	Fl. Ext.; Oil.	
Apocynum	Canad. Hemp	root	5-15 .. 0.3-1 ..	Fl. Ext.	
Apocynin	From Canad. Hemp	resinoid	1 .. 0.06		

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.	
<i>Aralia hispida</i>	Dwarf Elder	root	60—120	4.—8	Fl. Ext.
<i>Aralia nudicaulis</i>	False Sarsap.	root	6—120	4.—8	Fl. Ext.
<i>Aralia racemosa</i>	Spikenard	root	60—120	4.—8	Fl. Ext.
<i>Arbor vitæ</i>	Refer to Thuja				
<i>Areca</i>	Areca Catechu	seed	15—60	1.—4	Fl. Ext.
<i>Armoracia</i>	Horse Radish	root	60	4	Infus.
<i>Arbutus</i>	Refer to Epigaea				
<i>Arnica, Flor</i>	Arnica	flower	5—15	0.3—1	Tinct. (20)
<i>Arnica, Rad</i>	Arnica	root	{ chiefly ext.		Fl. Ext.
Arrow Root	Refer to Maranta				
<i>Arum</i>	Indian Turnip	root	5—5	0.3—1	Fl. Ext.
<i>Asafœtida</i>	Asafœtida	gum-res	5—10	0.3—0.6	Mixt. () . Tinct. (20)
<i>Asarum</i>	{ Can. Snake root, { Wild Ginger				Pill 3 grs.
<i>Asclepias tub.</i>	Pleurisy Root	root	15—30	1.—2	Fl. Ext.
<i>Asclepias incarnata</i>	White Ind. Hemp	root	15—30	1.—2	Fl. Ext.
<i>Asclepias Cornuti</i>		root	15—30	1.—2	Fl. Ext.
<i>Syriaca</i>	Silkweed	root	15—30	1.—2	Fl. Ext.
<i>Ash</i>	Refer to Fraxinus				
<i>Ash, Water</i>	Refer to Ptelea				
<i>Aspidium</i>	Male Fern	rhizome	15—60	1.—4. of Oleo. Resin.	
<i>Aspidosperma</i>	Refer to Quebracho				
<i>Aurantii am. Corf.</i>	Bitter or Curacao	rind			Tinct. (20).
<i>Aurantii dulcis Corf.</i>	Sweet Orange	rind			Syrup (5).
<i>Auranti Flores.</i>	Orange flowers	flower			Water (40).
<i>Auranti poma. immat.</i>	Orange berries	unripe fruit			
<i>Avens, Water.</i>	Refer to Geum				
<i>Azedarach</i>	Azedarach	root-bark	15—60	1.—4	Fl. Ext.
Bael Fruit	Refer to Bela				
Balm	Refer to Melissa				
Balsam { Gilead					
Balm {	resin				

102

Balm—Gilead Buds	Poplar buds	buds ..	.....	Ointment.
Balsam <i>Peruvianum</i>	Peru Balsam.	balsam	2. .	Ointment.	
Balsam, Gucjun	Refer to Wood Oil.				
Balsam, Dipterocarpus	Refer to Canada Turpentine.				
Balsam of <i>Fir</i>	Sulphurated Oil	5—30...	0.3—2.		
Balsam Sulphur....	Mist. Oleo bals am.	Nat. Form			
Balsam Vita	balsam	10—30. .	0.6—2	Tinct. (10). Syrup (4).	
Balsam Tolutanum.	root	15	1	Fl Ext.	
Baptisia	Wild Indigo	15—60...	1.—4	Fl. Ext.	
Barberry	Berberis	root-bark ..			
Bayberry	Refer to Myrica.				
Bay Tree	Refer to Laurus nobilis.	gum-resin ..	extern	Plasters.	
Belladium	Refer to Uva Ursi.	fruit	15—30	1.—2.	Fl. Ext.
Bearberry	Bael fruit				
Bela	Refer to Nectandra.	leaf	{ 1—2 grs.	Extract (400).	
Beneeru	Belladonna		{ 0.06—0.12	Tincture (15).	
<i>Belladonna Folia</i>	Belladonna	root ..		Abstract (200).	
<i>Belladonna Radix</i>	Belladonna			Fl. Ext.	
<i>Atropine</i>	From Belladonna	alkaloid	16 ^{gr} —4 ^{gr}	Granules.	
<i>Benzoinum</i>	Benzoin	balsam	5—15	0.3—1. .	Tinct. (20).
					Tr. Co. (12).
<i>Benzoinum odorif</i>	Spicewood or Fever Bush ..				
<i>Berberis Aquifol</i>	Oregon Grape Vine	root	15—60	1.—4.	Fl. Ext.
Beth Root	Refer to Trillium.				
Bittersweet	Refer to Dulcamara.				
Bladder Wrack	Refer to Fucus.				
Blackberry	Refer to Rubus.				
Black Haw	Refer to Viburnum prunifol.				
Black Cohosh	Refer to Cimicifuga.				
Black Snake Root	Refer to Carduus benedictus.				
Blessed Thistle....					

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Blue Cohosh.....	Refer to Caulophyllum.			
Blue Flag	Refer to Iris versicol.			
Boneset	Refer to Eupatorium.			
Borago	Borage	plant.....	60.....4.....	Fl. Ext.
Bouncing Bet	Refer to Saponaria.			
Brayera	Kosso, Kouso.....	infloresc	$\frac{1}{8}$ oz... 15.....	Fl Ext.
Broom	Refer to Scoparius			
Bryonia	Bryony	root.....	10-30 ...0.6-2.....	Fl. Ext. Tinct. (10).
Bistort	Snakeweed.....	root.....	10-30 ...0.6-2.....	Decoct. (10).
Boldo	Boldus	leaf	10-30...0.6-2.....	Fl. Ext.
Buckthorn.....	Refer to Frangula.			
Buchu	Ruchu	leaf	60	4.....Fl. Ext.
Buckbean.....	Refer to Menyanthes.			
Butterfly weed	Refer to Asclepias.			
Butternut	Refer to Juglans.			
Bugleweed	Refer to Lycopus.			
Burdock	Refer to Lappa.			
Button Snakeroot.....	Refer to Eryngium and Liatris.			
Cactus Grandiflorus	Night-blooming Cereus.	flower	5-10 m. of Tinct. (50).	
<i>Calanhus</i>	Sweet Flag.....	root	20-60 ...1.3-4.....	Fl. Ext. Tinct. (20).
Calabar Bean	Refer to Physostigma.			
California Fever Bush.....	Refer to Garrya.			
<i>Calendula</i>	Marigold.....	flor. hb.....	extern	Tinct. (20).
<i>Calumbot</i>	Columbo	root	10-30 ...0.6-2.....	Fl. Ext., Tinct. (10).
Calycanthus	Florida Allspice	herb	10-30 ...0.6-2.....	
<i>Cambogia</i>	Gamboge.....	gum-res	2-6 ...0.13-0.4.....	Pill C. C. $\frac{1}{4}$ gr.
<i>Camphora</i>	Camphor.....	steareopten	5-15.....0.3-1.....	Water, Spirit (10). Linim. (20).
Canela.....	White Cinnamon.....	bark		
Canada Snakeroot	Refer to Asarum.			

<i>Cannabis Americ</i>	Am. Hemp or Cannabis..herb.	5-15.....	0.3-1.....	Tinct. (20).
<i>Cannabis Indica</i>	Ind Hemp or Cannabis..herb.	½-1 gr.		Fl. Ext., Ext. (1000).
Resin.....	From Ind Hemp.....	1-2.....	0.06-0.12.....	Tinct. (5).
<i>Cantharis</i>	Spanish Flies.....insect	15-30.....	1-2.....	Colloid. (60); Paper-Ce-
<i>Capparis</i>	Caper Bush.....root bk.	5-10.....	0.3-0.6.....	rate (35); Lin. (15).
<i>Capsicum</i>	Afr., Cayenne, Red Pepper..fruit.	60-120..	4.-8.....	Tinct. (5); Fl. Ext.
<i>Capsella, Bursa Pastoris</i> ..	Shepherd's Purse.....herb			Oleo res. (2000).
<i>Carrageen</i>	Refer to Chondrus.			Fl. Ext.
<i>Cardamomum</i>	Cardamon.....fruit	20-60.....	1.3-4.....	Tinct. (15); Tr. Co. (2).
<i>Carduus benedictus</i>	Blessed Thistle.....herb.	20-60.....	1.3-4.....	Fl. Ext.
<i>Carum</i>	Caraway.....fruit	20-60.....	1.3-4.....	Fl. Ext.; Oil.
<i>Carthamus</i>	Safflower: Am. Saffron.....flower	20-60.....	1.3-4.....	Fl. Ext.
<i>Caryophyllus</i>	Cloves.....flower	5-10.....	0.3-0.6.....	Fl. Ext.; Oil.
<i>Cashew Nut</i>	Refer to Anacardium.			
<i>Cascarilla</i>	Cascarilla.....bark	20-30.....	1.3-2.....	Tinct. (15).
<i>Cascara amarga</i>	Honduras bark.....bark	20-30.....	1.3-2.....	Fl. Ext.
<i>Cascara Sagrada</i>	Refer to Rhamnus Pursh.			
<i>Cassia</i>	Refer to Cinnamon.			
<i>Cassia Fistula</i>	Purging Cassia.....fruit	30-120.....	2.-8.....	Conf. Senna (16).
<i>Cassia Marilandica</i>	Am. Senna.....leaf	60-4.....		Fl. Ext.
<i>Castanea</i>	Chestnut.....leaf	60-4.....		
<i>Castanea pumila</i>	Chenquapin.....bark	10-30.....	0.6-2.....	Tinct. (10).
<i>Castoreum</i>	Castor.....anim. prod.	10-30.....	0.6-2.....	Tinct. Co. (12).
<i>Catechu</i>	Catechu.....extract	60-120.....	4.-8.....	Inf. (10).
<i>Cataria</i>	Catnep. Catmint.....herb	10-30.....	0.6-2.....	Tinct. (15).
<i>Caulophyllum</i>	Blue Cohosh.....root	1-2.....		Fl. Ext.
<i>Caulophyllum</i>	From Blue Cohosh.....resinoid			
<i>Celery</i>	Refer to Apium			
<i>Ceanothus</i>	N. Jersey tea, Red root..leaf			Inf. (10).
<i>Cedar, Red</i>	Refer to Juniper virg.			
<i>Cedron seed</i>	seed	10-30...	0.6-2.	

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Centaury, Europ.	Chironia Cent.	herb ..	30-60	2.-4..... Fl. Ext.
Centaury, Am	Refer to Sabbatia.			
Cera alba.	White Wax.	secretion.....		} In Ointments and Cerates.
Cera flava.	Yellow Wax	ferment.....		
Cerevisia Fermentum	Yeast			
Cereus	Refer to Cactus.			
Celandine	Refer to Chelidonium.			
Citaceum	Spermacti			In Cerate.
Cetraria	Iceland Moss.	lichen	30-60	2.-4..... Decoct. (5).
Cevadilla	Refer to Sabadilla.			
Chamomile	Refer to Anthemis and Matricaria.			
Chaulmoogra	Gynocardia	seed.....	5-15 m.	of oil.
Chamaelirium lute.	(Starwort False Unicorn	rhizome.....	15-60	1.-4..... Fl. Ext.
Chestnut	Refer to Castanea.			
Chequen, Cheken.				
Checkerberry	Refer to Mischella.			
Chelidonium.	Celandine	plant, ent.....	30-60	2.-4..... Fl. Ext.; Ext. (400).
Cherry Laurel	Refer to Lauro-Cerasi.			
Cherry, Winter	Refer to Alkakengi.			
Chicory	Cichorium	root.....	60-120	4.-8.....
Chinaphila.	Pipsisewa	leaf.....	60-120	4.-8..... Fl. Ext.
Chinoidium	Chinoidin	resid. ext.....	15-30	1.-2..... Pills.
Chionanthus	Fringe Tree	bark.....	30-60	2.-4..... Fl. Ext.
Chirata	Chiretta	plant, ent.....	30-60	2.-4..... Fl. Ext. Tinct., (20).
Chondrus	Irtah Moss	alga.....	30-60	2.-4..... Decoct., Mucile. (5).
Cicuta	Water Heml'k (Cowbane)	herb.....	5-10	0.3-0.6..... Ex Fl., Tine. (20).
Cimicifuga	Black Snake Root	rhizome.....	30-60	2.-4..... Inf. (6), Ext. Fl.
Cinchona	Peruvian bark	bark.....	15-60	1.-4..... Tine. (20), Co. (10). Extract (600).

<i>Cinnamomum</i>	Cinnamon.	bark	10-30... 0.6-2	Tinct. (10), Oil.
Cleavers	Refer to Galium.			
Cloves	Refer to Caryophyllus.			
Cnicus Benedictus	Refer to Carduus.			
<i>Coccus</i>	Cochineal, Coccionella.	insect	1-5... 0.06-3	Tine. (10).
<i>Cocculus</i>	Refer to Erythroxylon.			
	Fish berries	fruit	1-5... 0.06-0.3	
Picrotoxin	fr. Fish berries.	fruit	$1\frac{1}{2}$ - $\frac{3}{4}$ grain	
Cohosh, Black	Refer to Cimicifuga.			
Cohosh, Blue	Refer to Caulophyllum.			
<i>Colchici Radix</i>	Colebicum root.	Corm	{ 2-8 grains.....	Wine (40), Fl. Ext.
<i>Colchici, Semen</i>	Colchicum seed		{ 0.12-0.5 Gm.....	Extraet (400). Wine (15), Fl. Ex. Tinct. (15).
	fr. Colebicum	alkaloid.....	Dose 1-65 gr.	
Colechicine	Stone root	root.....	60... 4	Fl. Ext.
<i>Collinsonia</i>	Coloeynth	fruit	5-10... 0.3-0.6	Extraet (600).
<i>Colocynthis</i>			5-10... 0.3-0.6	of Comp. Ext.
Coltsfoot	Refer to Tussilago.			
Columbo, Am	Refer to Fraxera.			
Compass Plant	Refer to Silphium.			
Comfrey	Refer to Symphytum.			
Comptonia	Sweet Fern	herb	60 ... 4	
Cooro Root	Refer to Psoralea.			
<i>Conium</i>	Hemlock	fruit.....	5-10 ... 0.3-0.6	Fl. Ext., Time. (15). Abst. (200), Ext. (500).
	fr. Conium	liquid alkaloid.....	$\frac{1}{4}$ to $\frac{1}{2}$ gr.	
Condurango	Cunduraogo	bark.....	30-60... 2-4	Wine (10), Fl. Ext.
Convallaria Majalis	Lily of the Valley	root	2-10... 0.15-0.6	Fl. Ext.
" polygonatum	Solomon's Seal	root.....	2-10... 0.15-0.6	Fl. Ext.
<i>Copaiba</i>	Balsam Copaiva	oleores	15-60... 1-4	Mass.; Resin (250).
Coptis	Gold Thread	plant.....	10-30... 0.6-2	Fl. Ext.
Corn Silk	Refer to Maize.			

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Corn Smut	Refer to Maize.			
Corn Erzot	Refer to Maize.			
<i>Coriandrum</i>	Coriander	fruit.	20-60	1-4 Fl. Ext., Oil.
<i>Cornus</i>	Dogwood	root bark.	20-60	1-4 Fl. Ext.
<i>Corydalis</i>	Turkey Corn or Pea	root.	15-30	1-2 Fl. Ext., Co. Syr. Stillng.
Coto	Coto	bark	5-15	0.3-1 Fl. Ext., Sac. Ext. (400).
Cotoin	fr. Coto.	glucoside	1-3	0.06-0.18.
Cotton Root	Refer to Gossypium.			
Cotula	Mayweed	flower	60-120	4-8 Fl. Ext.
Couch Grass.	Refer to Triticum.			
Cowbane.	Refer to Cicuta.			
Cramp Bark	Refer to Viburnum Opulus,			
Cranesbill	Refer to Geranium.			
<i>Crocus</i>	Saffron	stigma	10-30	0.6-2 Tinct. (10).
<i>Cubeba</i>	Cubeb	fruit	10-60	0.6-4 Tinct. (10), Fl. Ext.
				Oil, Oleores. (2.00).
Culver's Root	Refer to Leptandra.			
Cumin	Cumin	seed	30-60	2-4 Oil.
<i>Curcuma</i>	Turmeric	rhizome.	10-30	0.6-2 Tinct. (15).
Curare	Refer to Woorari.			
Cusparia	Angustura	bark	10-20	0.6-2 Tinct. (10).
<i>Cydonium</i>	Quince seed	seed.	10-30	0.6-2 Mucilage (2).
Cynoglossum	Hounds' Tongue	plant	30-60	2-4 Fl. Ext., Tinc. (10).
<i>Cypripedium</i>	Ladies' Slipper	rootlets	15	1 Fl. Ext.
Cynosbati	Refer to Rosa Canina.			
Damiana.		leaf.	15-60	1-4 Fl. Ext.
Dandelion	Refer to Taraxacum.			
<i>Delphinium</i>	Refer to Larkspur.			
<i>Digitalis</i>	Foxglove	leaf	1 gr	0.06 gm Inf. (1.5), Tinct. (1).
		alkal	1-60-1-20 gr.	Fl. Ext.; Abst. (200). Extract (400).

Dill	Refer to Anethum.				
Dioscorea	Wild Yam, Colic Root	root	60-120	4-8	Fl. Ext.
Diospyros		fruit	30-120	2-8	
Ditt.	Persimmon	bark	2-8	0.2-0.5	Fl. Ext.
Dog Grass	Refer to Trifolium.				
Dogwood	Refer to Cornus.				
Dogwood, Jamaica	Refer to Piscidia.				
Dracontium	Skunk Cabbage	rhizome	10-20	0.65-1.30	Fl. Ext.
Dragon's Blood	Sanguis Draconis.	resin	externally		Plasters.
Drosera	Sundew	plant	5-20	0.3-1.3	Fl. Ext.; Tinc. (15).
Dulcamara	Bittersweet	twig	30-60	2-4	Fl. Ext.
Duboisia		leaf	1-5	0.06-0.50	
Dwarf Elder	Refer to Aralia hispida.				
Elatarium	Elatarium	res.-extract	1g-1	0.007-0.06	Clutterbucks.
Elaterin	fr. Elaterium.	glucosid.	30-15	0.003-0.006	Trituration (10).
Elder	Refer to Sambucus.				
Elemi	Elemi	resin	external		Plasters.
Elecampane	Refer to Inula.				
Elephant's Foot	Elephantopus.	herb	5-30	0.3-2.	
Epigaea	Trailing Arbutus.	herb	30-60	2-4.	
	Mayflower.				
Epigaea Repens	Gravel Plant	leaf	30-60	2-4	Fl. Ext.
Epilobium	Willow Herb	leaf and root	30-60	2-4	Fl. Ext.
Eryola	Ergot	fungus	15-60	1-4	Wine (15), Fl. Ext., Extract (500), same as Ergotin.
Ergot, Corn	Refer to Maize.				
Erigeron	Fleabane	herb	30-60	2-4	Fl. Ext.; Oil.
Eriodictyon	Yerba Santa	herb	30 grs., 2 Gm.		Fl. Ext.; Elixir.
Erythroxylon	Coca	leaf	30-60	2-4	Wine (7), Fl. Ext., Extract (300).
Erythrophloeum	Sassy Bark	bark	5-15	0.3-1	Fl. Ext.
Eucalyptus	Eucalyptus	leaf	15-60	1-4	Tinct. (15), Fl. Ex.; Oil.

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
<i>Euonymus</i>	Wahoo	bark	30-120	2-8.....Fl. Ext.; Ext. (500).
<i>Euonymin</i>		resinoid	1-5	0.6-0.3.....Pills, Granules.
<i>Euphrasia</i>	Eyebright.	herb	1 dr.	4 Gm.
<i>Eupatorium</i>	Bonest, Thoroughwort	herb	15-30	1-2.....Fl. Ext.
<i>Euphorbium</i>		resin	external.	
<i>Euphorbia Pilulifera</i>		herb	30-50	2-3.....Fl. Ext
<i>Euphorbia Corollata</i>	Blooming, Large-Flow- ering Spurge	root	3-10	0.2-0.6.....Fl. Ext.
<i>Euphorbia Ipecacuanha</i>	1 Ipecacuanha Spurge 1 American Ipecacuanha.	root	10-15	0.65-1.
<i>Eyebright</i>	Refer to Euphrasia			
F abiana.....	Refer to Piehi.			
<i>Fel Boris</i>	Ox Gall.	fresh secretion.	5-10gr.	Inspissated and purified.
<i>Fenugreek</i>	Fœnum Græcum	seed.		
<i>Fennel</i>	Refer to Fœniculum.			
<i>Fern. Sweet</i>	Refer to Comptonia.			
<i>Fern. Male</i>	Refer to Aspidium.			
<i>Fever Bush</i>	Refer to Benz odoriferum.			
<i>Fever Bush, California</i>	Refer to Garrya.			
<i>Feverfew</i>	Pyrethrum Parthenium	herb	60-120	4-8.....Fl. Ext.
<i>Fever Root</i>	Refer to Triosteum.			
<i>Ficus</i>	Fig	fruit		Confection Senna.
<i>Figwort</i>	Refer to Scrophularia nodosa.			
<i>Fishberries</i>	Refer to Coeculus.			
<i>Florida Allspice</i>	Refer to Calycanthus.			
<i>Flabane</i>	Refer to Frigeron			
<i>Fœnum Græcum</i>	Refer to Fenugreek.			
<i>Fœniculum</i>	Fennel	fruit.	20-40	1.3-3.....Fl. Ext; Oil; Eleosacch.
<i>Foxglove</i>	Refer to Digitalis.			
<i>Frasera</i>	American Columbo	root	30-60	2-4.
<i>Fraxinus</i>	Ash.	bark	30-60	2-4.

<i>Frangula</i>	bark.....	15-33	1.-2.	Fl. Ext.
<i>Frankenia</i>	Refer to Verba Reuma.			
<i>Fringe Tree</i>	Refer to Chionanthus.			
<i>Frostwort</i>	Refer to Helianthem. m.			
<i>Fucus Vesiculosus</i>	{ Sea Wrack. }	15-30	1.-2.	Fl. Ex.
<i>Pumarina</i> {	{ Badder Wrack. }	15-40	1.-3.	
<i>Fumitory</i>)	leaf.....			
<i>Galbanum</i>	Galbanum	10-20	.2. 0.65-1.30	Plaster, Co. Galb. Pill (1.5).
<i>Galium Aparine</i>	Cleavers, Goose Grass ..herb.....	30-60	2-4	
<i>Gall.</i>	Nutgall	5-10	0.3-0.6.	Tinct. (20), Ointment (10), Fl. Ext.
<i>Gall, Ox</i>	Refer to Fel Bovis.			
<i>Gamboge</i>	Refer to Cambogia.			
<i>G. rlic</i>	Refer to Allium.			
<i>Garra</i>	California Fever Bush, herb.....	15-30	1.-2.	Fl. Ext.; Oil.
<i>Gaultheria</i>	leaf.....	15-30	1.-2.	Fl. Ext. Tinct. (15).
<i>Gelsemium</i>	Wintergreen.....	2 grs.	0.13 grm.	Granules.
<i>Gelsemine</i>	Yellow Jasmine	13x	26grain	Inf. (5); Tinct. (15);
<i>Gentiana</i>	alkaloid	60-120	4.-8.	Tr. Co. (8); Fl. Ext.
	root.....			Ext. (300).
<i>Gentian</i>	root.....			
<i>Germander</i>	Refer to Teucrium.			
<i>Geranium</i>	Cranesbill.....	20-30	1.3-2	Fl. Ext.
<i>Geum</i>	Water Avena.....	30-60	2.-4.	Fl. Ext.
<i>Gillenia</i>	{ Indian Physic, .. }	15-30	1.-2.	Fl. Ext.
<i>Ginger, Wild</i>	{ American Ipecacuanha root.... }			
<i>Ginseng</i>	Refer to Asarum.			
	Panax	15-60	1.4.	Fl. Ext.

1 Note.—Not to be confounded with the Eclectic concentration or resinoid of the same name which is a powdered extract. Dose, 15— $\frac{1}{2}$ grain.

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Glechoma.	Ground Ivy.	herb.	30-60.	2.-4.
Glycyrrhiza.	Liquorice.	root.		Co. Powd. (16). Ext. pure (300). Fl. Ext.; Syrup (12).
Glycyrrhizin Am.		fr. root	5 gr.	
Gnaphalium.	Life Everlasting.	herb.	60.	4.
Goanese Ipeae.	Refer to Naregamia.			
Goose Grass.	Refer to Galium Aparine.			
Golden Rod.	Refer to Solidago.			
Golden Seal.	Refer to Hydrastis.			
Gold Thread.	Refer to Coptis.			
Gossypii Rad. Cort.	Cotton root bark.	root bark.	30-60.	2.-4.
Granatum.	Pomegranate.	root bark.	15-30.	1.-2.
Grass, Dog.	Refer to Tritaeum.			
Gravel plant.	Refer to Epigaea.			
Grindelia Rob.	Grindelia.	herb.	30-60.	2.-4.
Ground Ivy.	Refer to Glechoma.			
Guaiaci Lignum.	Lignum vite.	wood.	60 grs.	4.
Guaiaci Resina.	Guaiae.	resin.	15 grs.	1.
Guarana.	Paullinia.	seed.	60-120	4.-8.
Caffine.	fr. Paullinia.	alkaloid.	3-12.	0.2-0.8
Gum Arabic.	Refer to Acacia.			
Gurjun Balsam.	Refer to Wood Oil.			
Gutta Percha.	Gutta Percha.	exudation.	extern.	Liquor (9) = Traumaticin.
Gynocardia.	Refer to Chaulmoogra.			
Hematorylon.	Logwood.	wood.		Extract (dose 10-20 grs.).
Hair-Cap Moss.	Refer to Polytrichum.			
Hanamelis.	Witchhazel.	leaf.	1 dr.	4 gm
Hardhack.	Refer to Spiraea tomentosa.			
Heal-All.	Refer to Collinsonia.			
Hedcoma.	Pennyroyal.	herb.	1 dr.	4 gm
Hedera.	Ivy.	leaf.	15-30.	1.-2.

Helianthemum.....	Frostwort.....	herb.....	15-30	1.-2.....	Fl. Ext.
Helonias Dioica	Refer to Chamælririum				
Hellebore, False.....	Refer to Adonis Vernalis.				
Hellebore, American or Green	Refer to Veratrum Viride.				
Hellebore, White	Refer to Veratrum Album.				
Helleborus	Black Hellebore.....	root.....	10-15.....	0.65-1.....	Fl. Ext., Tr. (15).
Hemp, American.....	Refer to Cannabis Americana.				
Hemp, Canadian.....	Refer to Apocynum.				
Hemp, Indian.....	Refer to Cannabis Indica.				
Hemp, White Indian.	Refer to Asclepias Incarnata.				
Hemidesmus.....	Indian Sarsaparilla.....	root.....	1 dr.....	4 gm.	
Hemlock	Refer to Conium.				
Hemlock, Water.....	Refer to Cicuta.				
Henbane.....	Refer to Hyoscyamus.				
Hepatica.	Liverwort.....	plant.....	1 dr... 4 gm.		Fl. Ext.
Heracleum	Masterwort.....	root.....	1-2 dr....	4.-8.....	Fl. Ex.
Heuchera	Alum root.....	root.....	10-15 grs	0.6-1.....	Fl. Ext.
Hips.....	Refer to Rosa Caninæ Fructus.				
Holly.....	Refer to Ilex.				
Hop.....	Refer to Humulus.				
Horseradish.	Refer to Armoracia.				
Horsemint.....	Refer to Monarda.				
Horsechestnut.....	Refer to Aesculus.				
Hound's Tongue.....	Refer to Cynoglossum.				
Humulus.....	Hops.....	strobile	20-60.....	2.-4.....	Tinct. (20); Fl. Ext.
Hydrastis	Golden Seal	rhizome	10-30	0.6-2.....	Fl. Ext.; Tinct. (20); Glycerite.
Hydrastin.	fr. Golden Seal	resinoid.....	1-2.....	0.06-0.12.	
Hydrastine.....	fr. Golden Seal	alkaloid, white.....	1/4 gr.		
Berberine.....	alkaloid, yellow.....	1-2.....	0.06-0.12.		
Hydrangea.....	Seven Barks.....	root	15-30	1.-2.....	Fl. Ext.
Hyoscyamus.....	Henbane.....	leaf	5-10.....	0.30-0.65.....	Abst. (200); Ext. (600), Fl. Ext. Tinet. (15),

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Hyoscyamin.	fr. Henbane.	resinoid	$\frac{1}{4}$ —1 gr.	
Hyoscyamine.	fr. Henbane.	alkaloid	$\frac{30}{30}$ — $\frac{2}{2}$ grain.	
Hypericum.	St. Johnswort.	herb.	30—60.	Fl. Ext.; Oil., Inf. (10).
Hyssopus.	Hyssop.	herb.	30—60.	2—4.
<i>Ichthyocolla</i> .	Isenglass.	fish bladder.		Plaster.
Iceland Moss.	Refer to Cetraria.			
<i>Ignatia</i> .	St. Ignatius' Bean.	seed.	1—2.	0.06—0.13. Abs. (200); Tinct. (10).
<i>Strychnine</i> .	fr. St. Ignatius' Bean.	alkaloid	$\frac{30}{30}$ — $\frac{2}{2}$ gr.	
<i>Illitium</i> .	Star Anise.	fruit.	15—30.	1—2. Fl. Ext.; Oil
<i>Ilex</i> .	Holly.	leaf.	15—30.	1—2. Fl. Ext.
<i>Ilex Paraguayensis</i> .	Maté.	leaf.		
<i>Imperatoria Ostruthium</i> .	Masterwort.	root.	15—30.	1—2.
<i>Inula</i> .	Elecampane.	root.	30—60.	2—4. Decoct. (5).
Indian Physic.	Refer to Gillenia.			
Indian Turnip.	Refer to Arum.			
Indian Weed.	Refer to Baptisia.			
<i>Ipecac</i> .	<i>Ipecac</i> .	root.	$\frac{1}{4}$ —1.	0.015—0.060. Fl. Ext.; Wine (7); Dover's Pow. (10); Troche ($\frac{1}{2}$ ea.).
Emetine.	fr. <i>Ipecac</i> .	alkaloid.	$\frac{1}{8}$ —1 grain.	
<i>Ipecacuanha Spurge</i> .	} Refer to Euphorbia.			
<i>Ipecacuanha, American</i> .				
<i>Ipecacuanha, Goanese</i> .	Refer to Naregamia.			
<i>Iris</i> .	Blue Flag.	rhizome.	10—20.	0.65—1.30. Extract (500); Fl. Ext.
Irisin or Iridin.	fr. Blue Flag.	resinoid.	1—3 grains.	
Irish Moss.	Refer to Chondrus.			
Iron Wood.	<i>Ostrya</i> .	wood.	30—60.	2—4.
Isenglass.	Refer to <i>Ichthyocolla</i> .			
Ivy.	Refer to <i>Hedera</i> .			
Ivy, American.	Refer to <i>Ampelopsis</i> .			
<i>Jalapa</i> .	<i>Jalap</i> .	root.	15—30.	1—2. Abst. (200); Resin (400); Fl. Ext.; Co. Pow. (35).

Jaborandi.....	Refer to Pilocarpus.				
Jamaica Dogwood.....	“ “ Piscidia.				
Jambul.....	“ “				
Jamboo.....	“ “ Silygium	seed.....	5-15...	0.3-1.....	Tinet. (10).
Jasmine, Yellow.....	Refer to Gelsemium.				
Jequirity.....	“ “ Abrus Precatorius.				
Juglans.....	Butternut.....	root.....	15-30.....	1-2.....	Extract (500), Fl. Ext.
Juniperus.....	Juniper.....	fruit.....	1-2 dr.....	4-8.....	Fl. Ext.; Oil.
Juniperus Virginiana.....	Red Cedar.....	tops.....	5-15.....	0.3-1.....	Fl. Ext.
Kalmia.....	Laurel, Mountain Laurel.....	leaf.....	10-30.....	0.0-2.....	Fl. Ext.
Kamala	{ Kamala.....	glands and hairs.....	1-3 dr.....	4-12.....	Confection (tenieide.)
	{ Kamecla.....				
Kava Kava.....	Piper Methysticum.....	root.....	15-60.....	1-4.....	Fl. Ext.
Kino.....	Kino.....	extract.....	10-30.....	0.65-2.....	Tincture (10).
Kola.....	Stereulia.....	seed.....	15-30.....	1-2.....	Fl. Ext.
Koosso.....	Refer to Brayera.				
Krameria.....	Rhatany.....	root.....	15-30.....	1-2.....	Extract (500) Fl. Ext., [Tinet. (20).
Labrador Tea.....	Refer to Ledum.				
Lactucarium.....	Lactucarium.....	milk-juice.....	10-20.....	0.65-1.30.....	Fl. Ext.; Syr. (5).
Ladies' Slipper.....	Refer to Cypripedium.				
Lappa.....	Burdoek.....	root.....	1 dr.....	4 gm.....	Fl. Ext.
Larkspur.....	Delphinium.....	seed.....	1 gr.....	0.06 gm.....	
Laricis Cortex.....	Larch bark.....		3-5.....	0.20-0.33 gm.....	
Larch Bark.....	Refer to Laricis Cortex.				
Laurel.....	{ Refer to Kalmia.				
Laurel, Mountain.....					
Lauro-Cerasi.....	Cherry-Laurel.....	leaf.....	variable.....		Oil.
Laurus Nobilis.....	Bay Tree.....	leaf.....	15-30.....	1-2.....	Tinet. Co.; Oil.
Larandula.....	Lavender.....	flowers.....	30-60.....	2-4.....	
Ledum Latifolium.....	Labrador Tea.....	leaf.....	30-60.....	2-4.....	
Ledum Palustre.....	Marsh Tea.....	leaf.....	30-60.....	2-4.....	
Lemon Balm.....	Refer to Melissa.				

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Leonurus	Motherwort	herb	1-2 dr	4.-8. gm.
Leptandra	Culver's Root	rhizome	10-30	0.65-2 Extract (500), Fl. Ext.
Leptandrin	fr. Culver's Root.	resinoid.	2-5 grains.	
	(Colic Root.	root	15-30	1.-2.
Liatris Spicata	Button Snakeroot.			
Licorice	Refer to Glycyrrhiza.	plant	30-60.	2.-4. Fl. Ext.
Life Root	Sencio			
Life Everlasting	Refer to Gnaphalium.			
Lignum vitae	Refer to Guaiac.			
Ligusticum	Lovage	root	1-2 dr.	4-8 Gm.
Lily of the Valley	Refer to Convallaria majalis.			
Lilac	Refer to Syringa.			
Linden	Refer to Tilia.			
Lippia Mexicana	Lippia Duleis	leaf	15-30	1.-2. Fl. Ext.
Liquorice	Refer to Glycyrrhiza.	bark	30-120	2-8. Fl. Ext.
Liriodendron	Tulip Tree.			
Liverwort	Refer to Hepatica.	herb	30-60.	2.-4 Vinegar (10); Tinct. (20); Fl. Ext.
Lobelia	Ind. Tobacco.			
Logwood	Refer to Haematoxylon.	herb	1 dr	4 Gm.
Loosestrife	Lythrum			
Lovage	Refer to Ligusticum.	leaf	30-60	2-4
Lungwort	Pulmonaria	glands	30 gr	2 Gm.
Lupulinum	Lupulin	herb	15-30	1.-2 Fl. Ext.; Oleores. (2000).
Lycopus	Hugle Weed			
Lythrum	Refer to Loosestrife.			
Maackia	Mace	arillus		Oil.
Madder	Refer to Rubia.			
Magnolia	Magnolia	bark	30-60.	2.-4. Fl. Ext.
Maidenhair	Refer to Adiantum.			
Maize Stigma	Corn Silk	stigma	30-60.	2.-4 Fl. Ext.
Maize Ustilago	Corn Smut	fungus	"	Fl. Ext.

<i>Maltum</i>	Malt.	seed.	.....	.....	Extract (200).
Malaambo .....	.....	bark	.....	30-60	2.-4.
Mallow, Common	Malva Sylvestris.				
Male Fern.	Refer to Aspidium.				
Mango, Mangosteen		fruit rind.	.....	15-60	1.-4
<i>Manna</i>		exud.	.....	1-2 oz	Syrup (10).
Mannit.		Dose	$\frac{1}{2}$ -1 oz.	30-60 Gm.	
Mandrake	Refer to Podophyllum.				
Manaca		root.	.....	10-30	0.65-2
Manzanita		leaf	.....	15-60	1.-4
Marigold	Refer to Calendula.				Fl. Ext.
<i>Marrubium</i>	Horehound.	herb.	.....	30-60	2.-4
<i>Maranta</i>	Arrow Root.	starch			Inf. (5).
Marsh Tea.	Refer to Ledum Palustre.				
Marsh Rosemary	Refer to Statice.				
Marshmallow.	Refer to Althaea.				
Marjoram, Wild.	Refer to Origanum.				
<i>Mastiche</i>	Mastic.	resin	.....	1-2 grains.	Pil Aloes et M ($\frac{1}{2}$ gr. ea.).
Masterwort	Refer to Imperatoria and Heracleum.				
<i>Matico</i>	Matico.	leaf.	.....	30-120	2.-8
Maté	Refer to Ilex Paraguayensis.				Fl. Ext., Tinct. (10).
Matricaria	German Chamomile	flower.	.....	15-30	1.-2
May Apple	Refer to Podophyllum.				Inf. (5).
Mayweed	Refer to Cotula.				
Mayflower	Refer to Epigaea.				
Meadow Sweet	Refer to Spiraea.				
Melilotus	Melilot.	herb.	.....	1 dr.	4 Gm.
<i>Melissa</i>	Balm	leaves and tops.	.....	30-60	2.-4
<i>Menispermum</i>	Canadian Moonseed	rhizome.	.....	15-60	1.-4
Menyanthes	Buckbean	leaf.	.....	60 gr.	4 Gm.
Peppermint	Peppermint.	herb	.....	60 gr.	4 Gm.
<i>Mentha Piperita</i>		herb	.....	10 gr.	0.65 Gm.
<i>Mentha Viridis</i>	Spearmint	bark	.....	10 gr.	0.65 Gm.
<i>Mezereum</i>	Mezereum		.....		Co. Fl. Ext. Sarsap. (3).

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Micromeria	Yerba Buena.	leaf	30-120.	2.-8 Fl. Ext.
Mitchella	Partridge Checker or Berry.	herb	30-60.	2.-4. Fl. Ext.
Mistletoe.	Refer to Viseum.			
Mullein.	Refer to Achillea.			
Monesia		bark	10-30	0.65-2. Fl. Ext.
Monarda	Horsemint.	herb	1 dr.	4 Gm.
Moonseed, Canadian	Refer to Menispermum.			
Moschus	Musk	secretion	10 gr.	0.65 Gm Tinet. (10)
Motherwort.	Refer to Leonurus.			
Mullein.	Refer to Verbascum.			
Musk.	Refer to Moschus.			
Musk Root.	Refer to Sumbul.			
Mustard.	Refer to Sinapis.			
Myristica	Nutmeg.	kernel	5-20.	0.30-1.5 Gm. Oil.
Myrica	Bay-Berry	bark	15-30.	1.-2.
Myrrha	Myrrh	gum resin	10-30.	0.6-2. Pil Aloes & M (1 gr. ea)
			Tr. "	(10 % ea)
			Tinet. (20).	
			Oil; Spirit.	
Myrea	Bay Leaf.	leaf		
Narcissus	Daffodil	flowers; bulb	2-5.	0.15-0.30. Sec Posological Scheme.
Nux Vomica.	Nux Vomica.	seed	2-5.	0.15-0.30.
	Fr.	alkaloid	1 $\frac{1}{16}$.	36 grain.
Naregamia	Goanese Ipecae.	root.	5-15.	0.3-1.
Neotandra	Rebeeru	bark	2-5.	0.15-0.30.
Nerium	Oleander.	leaf	5-15.	0.30-1.
Nettle.	Refer to Urtica.			
New Jersey Tea	Refer to Ceanothus.			
Night-Blooming Cereus	Refer to Cactus Grandiflora.			
Nutgall.	Refer to Galla.			
Nutmeg	Refer to Myristica.			
Oak, White	Refer to Quercus Alba.			

Oenothera	Primrose	herb	30-60.....2.-4	
Oenanthe	Water Fennel	seed	4-10.. 0.3-0.7	
Oleanedr	Refer to Nerium,			
Opium	Opium	exudation	{ ½-2 gr. Drug :- % of Prep. Prep. Quant. 0.63-0.13 }	
			100 :- 200 Extract	0.5
			100 :- 100 Denarc.	1.
			100 :- 10 Vinegar	10.
			100 :- 10 Wine	10.
			10 :- 10 Tinct.	10.
			100 :- 10 Tr. deod.	10.
			100 :- 10 Tr. Ip & op.	10.
			101 :- 10 Pulv.	10.
			100 :- 0.4 Tr. Camp.	250.
			Dose equivalent to	1 grain opium.
			Aromatic Wine (1).	
Opoponax	Refer to Aurantium.	gum res		
Orange	Refer to Berberis aquifolium.			
Oregon Grape Root	Origanum	herb		
Ostrya	Refer to Iron Wood.			
Pæonia	Peony	seed, root	30-60.....2.-4.	
Pansy	Refer to Viola Tricolor.			
Panax	Refer to Ginseng.			
Papaveris. Caps	Poppy Capsules	capsules		Syrup Diacodii (35).
Pappoose Root	Refer to Caulophyllum.			
Paracoto .. .. .	.. .. .	bark	15-30 gr. 1.-2.....	Fl. Ext.
Parsley	Petroselinum	root	30-60.....2.-4.....	Fl. Ext.
Partridgeberry	Refer to MircHELLA.			
Pareira	Pareira Brava	root	30-60.....2.-4.....	Fl. Ext.
Peach Leaves	Refer to Persca.			
Pellitory	Refer to Pyrethrum.			

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Pennyroyal.....	Refer to Hedeoma.			
Peony.....	Refer to Paeonia.			
Pepper.....	Refer to Piper.			
Pepper, Red Cayenne, African.	Refer to Capsicum.			
Pepper, Jamaica.....	Refer to Pimento.			
<i>Pepo</i>	Pumpkin Seed ..	seed	$\frac{1}{2}$ —1½ oz....	15.—45.. Mixture.
Peppermint.....	Refer to Mentha.			
Persica.....	Peach Leaves.....	leaf.....	15—60....	1.—4
Persimmon ..	Refer to Diospyros.			
Peru Balsam ..	Refer to Balsamum Peruvianum.			
Peruvian Bark.	Refer to Cinchona.			
Petroselinum.	Refer to Parsley.			
<i>Physostigma</i>	Calabar Bean	seed	1—3..0.06—0.20.....	Tinet. (10); Ext. (4000)
	<i>Physostigmine</i> or Eserine Alkaloid		.....	$\frac{1}{16}$ grain.
Phellandrium.....	Refer to Oenantheria.	fruit.....	30—60..	2.—4
<i>Phytolacca Bacca</i>	Poke Berry.....	root.....	2—5..	0.10—0.30 Fl. Ext.
<i>Phytolacca Radix</i>	Poke root.....	tops.....	15—30..	1.—2
Piebi.....	Fabiana.....	leaf.....	15—30..	1.—2
<i>Pilocarpus</i>	Jaborandi.....	leaf.....	$\frac{1}{2}$ gr.	.....
<i>Pilocarpine</i>	Alkaloid		10—30 ..	0.6—2
Pimpinella	Pimpernel	root	10—40 ..	0.60—3
Pimenta	Allspice.....	fruit		Oil.
Pinkroot.....	Refer to Spigelia.	fruit	5—20.....	0.30—1.30 Oleoresin (2,000)
<i>Piper</i>	Black Pepper			
Piper Methysticum.....	Refer to Kava Kava.			
Pipsissewa.	Refer to Chimaphila.			
Piscidia.....	Jamaica Dogwood ..	bark	1 dr.....	.4 Gu
Pitch. Refer to Pix.				Fl. Ext.
<i>Pix Burgundica</i>	Burgundy Pitch	resin.....	Extern.....	Plaster (90). Pl. e. [Canth.
<i>Pix Canadensis</i>	Hemlock or Can. Pitch	resin		Plaster.
<i>Pix Liquida</i>	Tar	oleoresin.....	10—60.....	0.60—4..... Syrup (6). Oint. (50).

Plantain	Plantago	leaf	30-60	2-4	Fl. Ext.
Pleurisy Root.....	Refer to Asclepias.				
Poke Root.	Refer to Phytolacca.				
<i>Podophyllum</i>	May-Apple	rhizome	10-20	0.60-1.30	Resin (2,000); Extract (1,000); Abstr. (200); Fl. Ext.
<i>Podophyllum</i>		resin	$\frac{1}{4}$ -1 grain.		
Poison Ivy or Oak.....	Refer to Rhus Toxicodendron				
Polygala Rubella.....	Bitter Polygala	herb	30-60	2-4	
Polypodium	Common Pol. root	root	1-4 dr.	4-15 Gm.	
Polytrichum	Hair-cap Moss	plant	.....	not active.	
Polygonatum	Refer to Convallaria Polygonatum.				
Pomegranate.	Refer to Granatum.				
Populus	Poplar	bark	30-60	2-4	
Poppy Capsules.	Refer to Papaveris.				
Poppy, Red or Corn.....	Refer to Itheados.				
Primrose.	Refer to Oenothera.				
<i>Prinos</i>	Black Alder	bark	30-60 gr.	3-4 Gm.	
Prickly Ash.....	Refer to Xanthoxylum.				
<i>Prunum</i>	Prune	fruit			Conf. Senna (7).
<i>Prunus Virginiana</i>	Wild Cherry	bark	30-60	2-4	Inf. (4); Syr. 12; Fl. Ext.
	+ Congo Root.				
Psoralea.....	+ Samson's Snakeroot.				
Ptelea.....	Wafer-Ash	root	20-40	1.3-3	Fl. Ext.
<i>Pulsatilla</i>	Pulsatilla	herb	1-3	0.05-0.2	Tinct. (10), Fl. Ext.
Pulmonaria	Lungwort	herb	30-60	2-4	
Pumpkin Seed.....	Refer to Pepo.				
<i>Pyrethrum</i>	Pellitory	root	30-60	2-4	Tinct. (20).
<i>Quassia</i>	Quassia	wood	5-20	0.30-1.5	Ext. (2,000); Fl. Ext.
Quebracho	Aspidosperma	bark	15-60	1-4	Fl. Ext. [Tinct. (10).
<i>Quercus Alba</i>	White Oak	bark	"	"	Fl. Ext.
Queen of the Meadow.....	Refer to Spiraea.				
Quick Grass.	Refer to Triticum.				
<i>Quillaja</i>	Soap Bark	bark	5-10	0.30-0.65	Tinct. (10).

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Quinoidin.....	.Refer to Chinoidin.			
R attlesnake Weed. ....	.Refer to Hieracleum.			
Raspberry.....	.Refer to Rubus Idaeus.			
Red Saunders. ....	.Refer to Santalum.			
Red Sandalwood.				
Red Root. ....	.Refer to Ceanothus.			
Rhamnus Purshiana. ....	.Coscara Sagrada	bark	10-30.....	0.65-2.0.....Fl. Ext.; Elix (15).
Rhatany.....	.Refer to Krameria.			
R heum.....	Rhubarb.	root	5-30 gr.	0.30-2.00.....Extraet (400); Fl. Ext.; Comp. Powd, (25); Tr. (12); Tr. Arom. (20); Wine (10); Tr Sweet (8); Syrup (9); Pills (3 grs.); Co. (2 grs.)
Rhoados Flores.....	{ Red Poppy Petals. Coru Poppy.			
Rhubarb. ....	.Refer to Rheum.			
<i>Rhus Glabra</i>	Sumach	fruit	30-60.....	2.-4.....Fl. Ext.
<i>Rhus Toxicodendron</i>	Poison Ivy or Oak	leaf	fresh	Tincture (50).
Rosa Canine Fructus ..	.Hips.....	fruit.		
<i>Rosa Centifolia</i>	Pale Rose.	petals		Water.
<i>Rosa Gallica</i>	Red Rose	petals		Conf. (8); Honey (8); [Fl. Ext.
Rosemary. ....	.Refer to Rosmarinus.			
Rosemary, Marsh.....	.Refer to Statice.			
Rosin Weed.....	.Refer to Silphium.			
<i>Rosmarinus</i>	Rosemary	leaf		Arom. Wine (1); Oil
<i>Rubus</i>	Blackberry.	root b'k	15-30.....	1.-2.....Fl. Ext.
<i>Rubus Idaeus</i>	Raspberry	fruit		Syrup.
Rubia.....	Madder	root	30 gr.	2 Gm
<i>Rumex</i>	Yellow Dock	root	30-60.....	2.-4.....Fl. Ext.
Ruta.....	Rue.	leaf	15-30.....	1.-2.....Oil.

Sabianna	Saw Palmetto	fruit	$\frac{1}{2}$ –2 dr....	2–8 Gm..	Fl. Ext.
Sabadilla	Cevadilla	seed	5–15	0.3–1 ..	Fl. Ext.; Tinct. (10).
Veratrine	fr. Cevadilla.....	mlx. alk.....	extern		Oint. (4); Oleate (2).
Sabbatia	American Centaury ..	herb	30–60	2–4 ..	
Sabina	Savine	tops	15–20.....	1–1.30.....	Fl. Ext.; Oil.
Saffron	Refer to Crocus.				
Safflower	Refer to Carthamus.				
Sagapenum ..		gum resin.....	15–30	1–2 ..	
Saivir	Refer to Salvia.				
Salix	Willow	bark.....	60 grs.....	4 Gm	Fl. Ext.
Salvia	fr. Willow	glucos'd	10–30	0.4–2 ..	
Samson's Snakeroot	Sage	leaf	20–30	1.3–2 ..	Ar. Wine (1).
Sambucus	Refer to Psoralea.				
Sanguis Draconis	Elder	flower.....	1–2 dr.....	4–8 Gm.	
Sanguinaria	Refer to Dragon's Blood.				
Sanguinarine	Bloodroot	rhizome	10–15	0.6–1 ..	Vineg. (10); Tinct. (15);
Santalum ..	fr. Bloodroot.....	alkal'd	$1\frac{1}{2}$ -grain.		[Fl. Ext.
	Red Saunders.....				
	Red Sandal Wood... }	wood.....			Tr. Lavend.Co.(0.8).
Sanicula ..	Sanicle.....	root	30–60.....	2–4 ..	
Santonica	Lev. or Eur. Wormseed ..	flower	10–30 gr ..	0.65–2 ..	
Santonin	fr. Lev. or Eur. Worms'd.	glucos'd.....	2–4 grains...		Troches (1 gr.)
Saponaria	Soapwort.....	root	15–60	1–4 ..	
Sarsaparilla ..	Bouncing Bet.....	root	30–50.....	2–4 ..	Comp. Decoct. 10
Sarsaparilla, False or Wild.	Sarsaparilla.....	root			Syrup 15.
	Refer to Aralia.				Fl. Ext. 75.
					Fl. Ext. 100.
Sarracenia	Side-Saddle Plant.....	root.....	15–30.....	1–2 ..	
Sassy Bark	Refer to Erythrophloeum.				
Sassafras	Sassafras	root-b'k.....	$\frac{1}{2}$ –2 dr....	2–8 Gm.	Fl. Ext.; Oil.
Sassafras Medulla	Sassafras Pith.....	pith			Mucilage (2).
Satureja ..	Summer Savory.....	herb	1 dr.	4 Gm.	

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Savine.....	Refer to Sabina.			
Saw Palmetto.	Refer to Sabianna.			
Saxifrage		root.....	15-30.....	1.-2
Scammonium	Scammony	gum resin	5-15.....	0.3-1 ... Resin (80) Co. Ext. Coloc. (16).
Scilla.....	Squill	bulb.....	1-5.....	0.06-0.30 ... Fl. Ext.; Syrup (4); Vineg. (10); Tinct. (15). Syr. Co. (6).
Scoparius.....	Broom.	tops	10-20.....	0.6-1.5..... Fl. Ext.
Scrophularia Nodosa.....	Figwort	leaf.....	30-60.....	2-4.
Scutellaria	Scullecap	herb	1-2 dr ...	4-8 Gm... Fl. Ext.
Scawrack.....	Refer to Fucus Vesiculosus.			
Secale Cornutum.	Refer to Ergot.			
Senega	Seneka.....	root.....	10-20 ..	0.65-1.5..... Abstr. (200); Ext. (300); Fl. Ext.; Syrup (16).
Senecio Aurcus.....	Refer to Life Root.			
Senna	Senna.....	leaf.....	½-2 dr ...	2-8 Gm.. Confect. (10); Comp. Inf. (6); Syrup (33); Fl. Ext.
Senna, American or Wild	Refer to Cassia Marilandica.			
Serpentaria.....	Virg. Snakeroot.....	rhizome.....	20-60. .	1.30-4 Tinct. (10); Fl. Ext.
Seven Barks	Refer to Hydrangea.			
Shepherd's Purse.	Refer to Capsella.			
Silk Corn ..	Refer to Maize.			
Silk Weed.....	Refer to Asclepias Cornuti.			
Silphium.....	} Rosin weed } Compass plant.....	plant.....	30-60.....	2.-4..... Fl. Ext.
Simaruba ...	Quassia bark.....	bark.....	15-60.....	1-4.
Sinapis Alba	White Mustard.....	seed.....		
Sinapis Nigra.....	Black Mustard.....	seed.....		
Sisymbrium.....	Refer to Jambul.			
Skunk Cabbage.....	" Dracontium.			
Skullcap	" Scutellaria.			

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Smut, Corn	Refer to Maize.			
Snakeroot, Black	" Cimicifuga.			
Snakeroot, Button	" Liatris.			
Snakeroot, Canada	" Asarum.			
Snakeroot, Samson's	" Psoralea.			
Snakeroot, Senega	" Senega.			
Snakeroot, Virginia	" Serpentaria.			
Soap Bark	" Quillaja.			
Soapwort	" Saponaria.			
Solomon's Seal	" Convallaria-Polygonatum.			
Solidago	Golden Rod.....leaf.....	1 dr.....	4 Gm	...Fl. Ext.
Spanish Fly	Refer to Cantharides.			
Spermacti	Refer to Cetaceum.			
Speedwell	Refer to Veronica.			
Spigelia	Plukroot.....rhizome	30-60.....	2.-4	.....Comp. Fl. Ext. (60). child 2-3 yrs
Spice Wood or Bush	Refer to Benzoinum-Odoriferum.			
Spiraea	{ Queen of the Meadow..herb.....	15-60.....	1.-4	
Spiraea Tomentosa	{ Meadow-Sweet.....herb.	15-60.....	1.-4	
Spikeard	Hardhack.....			
Spunk	Refer to Aralia racemosa			
Spurge, Ipecacuanha	" Agaric			
Spurge, Large Flowering,	" Euphorbias.			
Squaw Root	Refer to Caulophyllum.			
Squaw Vine	" Mitchella.			
Squill	" Scilla.			
St. John's Wort	" Hypericum.			
St. Ignatius Bean	" Ignatia.			
Stargrass	"			
Starwort	{ Aletris.			

PREPARATIONS WITH STRENGTHS.

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Starwort.....	" Chamælririum.			
Star Anise.....	" Illicium.			
Staphisagria.....	Stavesacre.....	seed.....	1-2 gr.....	0.06-0.13 Gm
Statice.....	Marsh Rosemary.....	herb.....	15-30 gr....	1-2 Gm..
Stavesacre.....	Refer to Staphisagria.			
Sterculia.....	" Kola.			
Stigma Maidis.....	" Maize.			
Stillingia	{ Queen's Root.....	root.....	15-30 gr.....	Extract fluid
	{ Queen's Delight.....		1-2 Gm.	
Storax.....	Refer to Styrax.			
Stone Root	" Collinsonia.			
	{ Thornapple.....	{ leaf	2-3.....	0.13-0.2.....Seed-Ext. (5'0).
Stramonium.....	{ Jamestown weed	{ seed.....	1-2.....	0.06-0.12.....Fl. Ext.; Tinct. (10)
		seed.....	1-1 grain.....	Tinct. (5)
Strophanthus.....	Storax.....	balsam	extern.....	Comp. Tr. Benz. (8).
Styrax.....				
Sulphur, Balsam of.....	{ Refer to Balsam of Sulphur			
Sulphurated Oil.....	" Rhus. Glabra..			
Sumach.....	Musk Root	root.....	15-60.....	1.-4 .. Tinct. (10); Fl. Ext.
Sumbul.....	Refer to Satureja.			
Summer Savory.....	" Drosera.			
Sundew.....	" Iris.			
Sweet Flag.....	" Comptonia.			
Sweet Fern.....	Comfrey.....	root.....	30-60....	2.-4.....Decoct. (10)
Symphytum.....	Lilac.....	leaf, rt.	15-60....	1.-4.
Syringa.....	Tobacco.....	leaf.....	extern.	
Tabacum.....	Refer to Alnus.			
Tag Alder.....		bark	1-2 dr.....	2-8 Gm.
Tamarac.....	Tamarind.....	fruit pulp.....	1 dr.-1 oz...	4-30 Gm.. Conf. Scena.
Tamarindus	Refer to Tanacetum.			
Tansy.....	Tansy.....	leaves and tops.....	30 60.....	2.-4.....Fl. Ext.; Oil.
Tanacetum	Refer to Pix. uida.			

<i>Taraxacum</i>	Dandelion.....	root.....	1-2 dr.,.....	4-8 Gm..	Extract (500); Fl. Ext.
Tea, Labrador.....	Refer to <i>Ledum latifolium</i> .				
Tea, Marsh.....	" <i>Ledum palustre</i> .				
Tea, New Jersey.....	" <i>Ceanothus</i> .				
<i>Terebinthina</i>	Turpentine (Gum).....	oleores.....	20-60.....	1.3-4.....	Plasters, Oil.
<i>Tereb. Canadensis</i>	Canada Turpentine.....	oleoresin.....			Plasters
Tetterwort.....	Balsam of Fir.....				
Teucrium Chamædrys.....	Refer to <i>Chelidonium</i>				
Teucrium Scordium.....	Germander.....	flower.....	1 dr.....	4 Gm.	
Thapsia.....	Water Germander.....	flower.....	1 dr.....	4 Gm.	
Thistle, Blessed.....	Deadly Carrot.....	root.....	15-30.....	1.-2.....	Resin in Plasters.
Thoroughwort.....	Refer to <i>Carduus Benedictus</i> .				
Thornapple.....	" <i>Eupatorium</i> .				
Thuja.....	" <i>Stramonium</i> .				
Thuja.....	Arbor Vitæ.....	tops.....	1 dr.....	4 Gm.	Fl. Ext.
Tilia.....	Linden Flowers.....	flowers.....	15-30.....	1.-2.....	Inf. (10).
Tinder.....	Refer to <i>Agaric</i> .				
Tolu Balsam.....	" <i>Balsamum-tolutanum</i> .				
Tonga.....	" <i>bark</i>				
Tormentilla.....	" <i>root</i>		1 dr.....	4 Gm.	Fl. Ext.
Touchwood.....	Tormentil.....		30-60.....	2.-4.....	
Tree of Heaven.....	Refer to <i>Agaric</i> .				
Trillium.....	" <i>Ailanthus</i> .				
Triosteum.....	Beth Root.....	rhizome.....	15-30.....	1.-2.....	Fl. Ext.
	Fever Root.....	root.....	15-30.....	1.-2.....	
<i>Triticum</i>	Couch, Dog or Quick.....	rhizome.....	1 dr.....	4 Gm	Fl. Ext.
	Grass, Quitch.....				
Tulip Tree.....	Refer to <i>Liriodendron</i> .				
Turpentine.....	" <i>Terebinthina</i> .				
Turkey Pea or Corn.....	" <i>Corydalis</i> .				
Turneric.....	" <i>Curcuma</i> .				
Turnip, Indian.....	" <i>Arum</i> .				
Tussilago.....	Coltsfoot.....	herb.....	30-60.....	2.-4.....	Decoct. (10)

DRUG.	SYNONYM.	PART USED.	DOSE.	PREPARATIONS WITH STRENGTHS.
Unicorn Root, False.....	Refer to Chamælrhim.			
Ustilago	" Maize.			
Urtica	Nettle.....	herb.....	15-30.....	1-2.....Fl. Ext.
Uva Ursi.....	Bearberry...	leaf.....	20-60.....	1, 3-4.....Fl. Ext.
Valeriana.....	Valerian.....	rhizome.....	30-60.....	2-4.....Abst. (200); Extr. (500); Fl. Ext.; Tinct. (20)
Veronica.....	Speedwell.....	herb.....	1 dr.....	4 Gm. Am. Tr. (20).
Verbascum.....	Mullein.			
Veratrum Viride.....	American or Green Hel- lebores	rhizome.....	1-3.....	0.06-0.20.....Fl. Ext., Tine. (50).
Veratrum Album.....	White Hellebore.....	rhizome.....	2-5.....	0.2-0.3
Vetch	Refer to Lathyrus.			
Viburnum	Black Haw.....	bark.....	15-30.....	1-2.....Fl. Ext.
Viburnum Opulus.....	Cramp Bark.....	bark.....	15-30.....	1-2.....Fl. Ext.
Viola Tricolor.....	Pansy.....	herb.....	30-60.....	2-4.....
Virginia Creeper.....	Refer to Ampelopsis.			
Virginia Snakeroot	" Serpentaria.			
Viscum.....	Mistletoe.....	leaf.....	15-60.....	1-4.....Fl. Ext.
Wafer Ash.....	Refer to Ptelea.			
Wahoo	" Euonymus.			
Water Avens.....	" Geum.			
Water Fennel.....	" Oenanthe.			
Willow	" Salix.			
Wild Cherry.....	" Prunus Virginiana.			
Wild Yam.....	" Dioscorea.			
Wild Ginger.....	" Asarum.			
Wintergreen.....	" Gaultheria.			
Wintera	Winter's Bark.....	bark.....	8-30.....	0.5-2.
Witch Hazel	Refer to Hamamelis.			
Wood Sorrel.....	" Acetosella.			

Woorari.....	Curare.....	extract.....	$\frac{1}{2}$ gr.....	$\frac{1}{16}$ gr.....	3-6 mg.
Wood Oil.....	{ Gurjun Balsam. Balsamum Diptero- carpi.....	oleoresin.....	15-60.....	1.-4.	
Wormwood.....	Refer to Absinthium.				
Wormseed, Levant or European, refer to Santonica.					
Wormseed, American....	Refer to Chenopodium.				
Xanthoxylum.....	Prickly Ash.....	bark.....	10-30.....	0.65-2.....	Fl. Ext.
Xanthorrhiza.....	Yellow Root.....	root.....	30-60.....	$\frac{2}{9}$ -4 Gm.....	Fl. Ext.
Yam, Wild.. . . .	Refer to Dioscorea.				
Yarrow.....	Achillea.				
Yeast.....	Cerevisia.				
Yellow Root.....	Xanthorrhiza and Hydrastis.				
Yellow Dock.....	Rumex.				
Yerba Buena.....	Micromeria.				
Yerba Reuma.....	Frankenia.....	herb.....	15-30.....	1.-2.....	Fl. Ext.
Yerba Santa.....	Refer to Eriodictyon.				
Zedoaria.....	Zedoary.....	root.....	15-30.....	1-2 Gm.....	Fl. Fxt.
Zingiber.....	Ginger.....	rhiz.....	10-30.....	0.65-2.....	Olcoresin (2000), Fl. Ext.; Tinct. (20).

NEW REMEDIES.

WITH PHYSICAL AND MEDICINAL PROPERTIES, CHEMICAL CONSTITUTION, AND DOSES.

ACETANILID.— $C_8H_8N O$.—Occurs in lustrous scales or white powder without color or odor and a slight burning taste. Requires nearly 200 parts water for solution, about 4 parts alcohol and is readily soluble in ether and chloroform. Antipyretic analgesic, and antiseptic. Dose, 0.2—0.65 Gm. (3 to 10 grs.)

ACETOANISIDIN.—Refer to Methacetin.

ACETOPHENONE.—Refer to Hypnone.

ACETPARAPHENETIDIN.—Refer to Phenacetine.

ACETPHENYLHYDRAZIN.—Refer to Hydraetone.

ACID, ALPHA-OXYNAPHTHOIC.— $C_{11} H_8 O_3$.—Yellowish white masses or powder, almost insoluble in water, soluble in fixed and volatile oils, also in alcohol and benzine. Poisonous when administered internally. Used in form of 10 per cent. ointment for skin diseases. Antiseptic and antizymotic.

ACID, ANISIC.—Colorless, odorless and tasteless needles. Antiseptic; used as substitute for salicylic acid in diseases where latter is indicated. Dose of Sodium salt, 1 Gm. (15 grains.)

ACID, CAMPHORIC.— $C_{14} H_{34} O_3$. White needles of sour taste, soluble in 12 parts water, easily soluble in alcohol and ether, sparingly soluble in fixed and volatile oils. Antiseptic and mildly astringent. Dose, 0.15 Gm. (2 grains.) Rarely used internally.

ACID, CRESOTINIC.—Colorless needles, of sweetish taste, odorless, readily soluble in alcohol, ether and hot water, sparingly in cold water. Antiseptic and antipyretic. Dose, 0.2 Gm. (3 grs.)

ACID, DI-IODOSALICYLIC.— $C_7 H_4 O_3 I_2$. White powder, sparingly soluble in water, readily in alcohol and ether. Analgesic, antithermic and antiseptic. Dose, 1.5—4.0 Gm. (25—60 grs.) daily.

ACID, DITHIOSALICYLIC.—Refer to Sodium salt.

ACID, SOZOLIC.— $C_6 H_6 O_4 S$. This occurs as a 33 per cent. solution of orthophenolsulphonic acid, forming a reddish fluid with a carbolic odor. Antiseptic.

ALPHA-NAPHTHOL.— $C_{10} H_7 O$.—Antiseptic. Retards formation of spores of typhoid and tubercle bacilli in a 1-10,000 solution.

AMYLENE HYDRATE.— $C_5 H_{12} O$.—A colorless liquid of peculiar, ethereal odor. Dissolves in 8 parts water at 15° C., solution becoming turbid when warmed. Miscible in all

proportions with alcohol, ether and chloroform. Hypnotic. Dose, 2-4 Gm. (30-60 grs.).

ANHYDROORTHOSULPHAMIDOBENZOIC ACID. Refer to Saccharin.

ANNIDALIN. Refer to Aristol.

ANTHRAROBIN.— $C_{14}H_{10}O_3$.—Yellowish white powder, practically insoluble in water and dilute acids, difficultly soluble in chloroform; soluble in 10 parts alcohol and 10 parts hot glycerin, and in solutions of the alkalies and alkaline earths. Used as a substitute for Chrysarobin in the treatment of skin diseases.

ANTIFEBRIN. Refer to Acetanilid.

ANTIFUNGIN.—A white, sweetish powder, soluble in 4 parts water, and consisting of magnesium borate. Used in a 15 per cent. solution as an antiseptic.

ANTIPIRYNE.— $C_{11}H_{12}N_2O$.—Colorless, odorless scales or white powder of a somewhat bitter taste, readily soluble in alcohol, water, chloroform, sparingly in ether. Antipyretic and antiseptic. Dose, 0.65-2.0 Gm. (10-30 grs.)

ANTISEPSIN.— C_8H_8NOBr .—Antipyretic and antiseptic. Rarely employed. Dose, 0.02-0.05 Gm. ($\frac{1}{4}$ -1 gr.)

ANTISEPTIN.—A combination of zinc iodide and zinc borothymolate. Antiseptic. A white powder forming a clear solution with water. Used as dusting powder, in ointment or lotion.

ANTISEPTOL.—Cinchonidine iodosulphate. A light, odorless powder, insoluble in water. Recommended as a substitute for iodoform, owing to large percentage of iodine present.

ARISTOL.— $C_{17}H_{13}O_2I_2$.—Brownish-red, odorless powder, insoluble in glycerine and water, slightly in alcohol, readily in ether and chloroform, and dissolved by the fixed and volatile oils. Easily decomposed by light and heat. Antiseptic. Employed in treatment of skin diseases.

ASEPTIN.—Consists of boric acid.

ASEPTOL.—Refer to Acid, Sozolic.

BENZOIO (BENZOYL) SULPHINIDE.—Refer to Saccharin.

BENZANILID.— $C_{13}H_{11}N$.—A white crystalline powder, insoluble in water and sparingly soluble in alcohol and ether. Antipyretic.—Dose 0.6 Gm (10 gr.)

BENZOSOL.— $C_{14}H_{12}O_3$.—Small, colorless crystals, almost colorless and odorless, insoluble in water, readily soluble in chloroform, ether, and hot alcohol. Used as substitute for guaiacol.—Dose, 0.3-0.65 Gm (4-10 grs.).

BENZOYL-GUAIACOL.—Refer to Benzosol.

BETA-NAPHTHOL.—Refer to Naphthol.

- BETOL.**— $C_{17}H_{12}O_3$.—Colorless, odorless, tasteless powder, insoluble in water or glycerin, soluble with difficulty in alcohol, readily so in boiling alcohol and ether. Antiseptic and antipyretic. Dose, 0.2-0.5 Gm. (3-8 gr.)
- BISMUTH SUBIODIDE.**— $BiOI$.—Reddish, colorless and odorless powder, insoluble in water, alcohol, ether and chloroform. Antiseptic. Dose, 0.1-0.2 Gm. ($1\frac{1}{2}$ -3 grs.).
- BISMUTH CARBOLATE.**—Amorphous, white, insoluble powder with a faint carbolic odor. Dose 0.2-0.65 Gm. (3-10 grs.)
- BISMUTH SALICYLATE.**— $Bi (C_7 H_5 O_3)_3$. $Bi (OH)_3$, 3 $H_2 O$.—Astringent, whitish powder. Dose, 0.3 Gm. (10 grs.)
- BROMETHYL.**—Refer to Ethyl Bromide.
- BROMOFORM.**— $CHBr_3$.—Colorless fluid, sp. gr. 2.9, of agreeable odor and taste, sparingly soluble in water, readily so in alcohol. Used in whooping cough. Dose, 1 or 2 teaspoonfuls of a 1 per cent. solution every hour.
- BROMPHENYLACETAMIDE.**—Refer to Antisepsin.
- BUTYLCHLORAL HYDRATE.**— $C_4 H_5 Cl_2 O$, $H_2 O$. White crystals of characteristic odor, sparingly soluble in cold water, readily in hot water and alcohol. Hypnotic. Dose, 0.2-0.4 Gm. (3-6 grs.).
- CANNABINONE.**—Resinous substance, insoluble in water, but soluble in alcohol, ether, chloroform and volatile and fixed oils. Dose, 0.03-0.1 Gm. ($\frac{1}{2}$ - $1\frac{1}{2}$ grs.) Hypnotic.
- CANNABIN, PURE.**—Brownish powder. Dose, 0.05-0.1 Gm. ($\frac{1}{4}$ - $1\frac{1}{2}$ grs.) Hypnotic.
- CANNABIN TANNATE.**—Yellowish brown powder insoluble in water and ether, soluble in alkaline fluids, taste bitter and astringent. Hypnotic. Dose, 0.3-1.0 Gm. (5-15 grs.)
- CANTHARIDINATES of Sodium and Potassium.**—Used subcutaneously in tuberculous affections. Dose, 0.0002 Gm. (0.03 gr.)
- CHINOLINE.**— $C_9 H_7 N$.—Colorless, oily fluid of peculiar odor, almost insoluble in water, readily soluble in alcohol, ether, and chloroform. Antiseptic. Its salts, the tartrate and salicylate, are used internally (dose, 0.5-1.0 Gm.) and externally.
- CHLORALAMIDE.** } $C_3 H_4 N Cl_3 O_2$.—Lustrous, colorless
CHLORALFORMAMIDE { crystals of bitterish taste. Slowly
soluble in 10 parts cold water, freely soluble in alcohol.
Decomposed by heat and alkalis, but not by dilute acids.
Hypnotic. Dose, 1-3 Gm. (15-40 grs.)
- CINEOL.**—Refer to Eucalyptol.
- COCAINE PHENATE.**—Of pasty consistence. Used in solution as a local anæsthetic for dental operations and as application in catarrhs.

CREOLIN.—Dark brown, tarry fluid, of a tarry odor; is soluble in all proportions in ether and absolute and 94 per cent. alcohol, in dilute alcohol, 1 in 7 parts, readily in chloroform, and forms a fairly permanent emulsion when agitated with water. Antiseptic. Used externally.

CRESALOL; CRESOL SALICYLATES.— $C_{14}H_{12}O_3$. There are three isomers, all occurring as bulky crystalline masses of saloloid odor. They are insoluble in water, readily soluble in alcohol and ether, and slightly in oil. Antiseptic. Used mainly externally.

DICHLORMETHANE.—Refer to Methylene Chloride.

DIETHYLENDIAMINE.—Refer to Piperazine.

DIETHYLSULPHONDIMETHYLMETHANE.—Refer to Sulphonal.

DI-IODOPARAPHENOLSULPHONATE OF POTASSIUM AND SODIUM.—Refer to Sozoiodol.

DITHYMOLDIIODIDE. Refer to Aristol.

DIMETHYLETHYLCARBINOL. Refer to Amylene Hydrate.

DIMETHYLOXYCHINIZINE. Refer to Antipyrine.

DIURETIN.— $C_{14}H_{12}N_4O_5Na_2$.—A white crystalline powder, very soluble in water. Diuretic. Dose 1 Gm. (15 grs).

ELALDEHYDE. Refer to Paraldehyde.

EUCALYPTOL.— $C_{10}H_{18}O$.—A constituent of many volatile oils. Solid, soluble in alcohol, ether and chloroform. Antiseptic. More frequently, the volatile oil of eucalyptus is recognized under this title.

EUCALYPTENE.— $C_{12}H_{18}$.—A hydrocarbon found in eucalyptus oil.

EULYPTOL.—A mixture of 6 parts salicylic acid, 1 of phenol and 1 of eucalyptus oil.

ETHYLENIMINE.—Refer to Spermine.

ETHYL BROMIDE.— C_2H_5Br .—Colorless, limpid, inflammable liquid, of chloroformlike odor and pungent taste. Not miscible with water, but freely with alcohol, ether, chloroform and oils. Decomposed under combined influence of air and light. Anæsthetic.

ETHYL URETHAN.—Refer to Urethan.

ETHYLENE BROMIDE has been dispensed for ethyl bromide with fatal results. It occurs in the liquid form and is administered in doses of one or two min. three times a day, as an antiepileptic.

EUPHORINE.— $C_9H_{11}NO_2$.—A white crystalline powder of faint aromatic odor and somewhat pungent taste. Practically insoluble in water; readily soluble in alcohol and mixtures of alcohol and water. Antithermic, antirheumatic, analgesic and antiseptic. Dose, 0.5 Gm. (8 grs.)

EXALGIN.— $C_9H_{11}NO$.—White, odorless and tasteless crystals, very little soluble in water, readily in alcohol and mixtures of alcohol and water. Antipyretic. Dose, 0.2–0.4 Gm. (3–6 grs.)

FORMYLMETHANDIMETHYL.—Refer to Methylal.

FORMYL TRIBROMIDE.—Refer to Bromoform.

GLONIN.—Refer to Nitroglycerin.

GOLD MONOBROMIDE.— $AuBr$. Yellowish-gray, easily pulverizable masses, insoluble in water. Used in epilepsy and migraine. Dose, 0.003–0.012 Gm. ($\frac{1}{30}$ – $\frac{1}{10}$ gr.).

GOLD CYANIDE.— $AuCN$. Yellow, tasteless powder, insoluble in water, alcohol and ether. Used largely now in phthisis. Dose, 0.004–0.016 Gm. ($\frac{1}{16}$ – $\frac{1}{4}$ gr.) daily.

GUAIACOL.— $C_7H_8O_2$. A colorless liquid of powerful aromatic odor, very slightly soluble in water, readily in alcohol and ether. Antiseptic. Used as substitute for creasote in treatment of phthisis.

GUAIACOL CARBONATE or CARBOXYLATE.—Crystals. Antiseptic and antipyretic.

HELIOTROPIN.—Refer to Piperonal.

HELENIN.—Colorless crystals, scarcely soluble in water, readily in alcohol, ether and oils. Antiseptic. Dose, 0.1 Gm. ($\frac{1}{2}$ grs.) daily.

HYDRACETINE.— $C_8H_{10}N_2O$. Colorless, odorless and almost tasteless prisms, soluble in 50 parts of water at 15 degrees, C. and readily soluble in alcohol. Antipyretic. Dose, 0.1–0.06 Gm. ($\frac{1}{3}$ –1 gr.), not to exceed 0.12 Gm. (2 grs.) daily.

HYDROCHINONE.— $C_6H_4(OH)_2$.—Colorless prisms, soluble in 20 parts cold water, readily soluble in hot water, alcohol and ether. Antipyretic and antiseptic. Dose, 0.8 Gm. (12 grs.).

HYDROXYLAMINE HYDROCHLORATE.— $NH_2OH.HCl$.—Colorless hygroscopic crystals, readily soluble in an equal weight of water, also in glycerin and in 15 parts of acohol. Employed in treatment of skin diseases. Must be used with caution.

HYOSCINE and its salts, HYDROBROMATE, HYDROCHLORATE, and HYDRIODATE Used in various mental and nervous conditions. Dose, 0.0005–0.001 Gm. ($\frac{1}{200}$ – $\frac{1}{100}$ gr.).

HYPNAL. Somewhat oily, though crystallizable body, soluble in 6 parts water, and odorless and tasteless. Hypnotic. Dose, 1 Gm. (15 grs.).

HYPNONE.— C_8H_8O .—Colorless, oily fluid of peculiar odor and pungent taste, very little soluble in water, but readily in alcohol, ether, and fixed oils. Hypnotic. Dose, 4–16 drops.

- ICHTHYOL.**—Under this name are recognized the sodium and ammonium compounds of sulphiehthyolic or ichthyol sulphonic acid. Dense, viscid, dark fluid of peculiar odor, miscible with water, partly dissolved by alcohol and ether. Used externally in various affections, rarely internally. Other salts of the above acid, those of lithium, zinc, and mercury, are employed occasionally.
- IODINE TRICHLORIDE.**— ICl_3 .—Orange yellow needles of pungent odor, readily soluble in water, alcohol, and ether. Antiseptic.
- IODOL.**— C_4NH_4 .—Light yellow powder, odorless and tasteless, insoluble in water, soluble in alcohol and ether. Antiseptic. Has been given internally as a substitute for potassium iodide. Dose, 0.5-1.0 Gm. (8-15 grs.)
- ISO-NAPHTHOL.**—Refer to Naphthol.
- KOCHIN.** Refer to Tuberculin.
- LEUCOLE'NE.** Refer to Chinoline.
- LYSOL.**—Brown, oily fluid, completely soluble in water; probably devoid of toxicity. Antiseptic. Used externally.
- MAGNESIUM SALICYLATE.** $\text{Mg}(\text{C}_6\text{H}_4\text{CHCOO})_2, 4\text{H}_2\text{O}$. Long, colorless needles or whitish powder, soluble in 10 parts water, readily soluble in alcohol, and bitterish, antiseptic and antithermic.
- MERCURY BENZOATE.**— $\text{Hg}(\text{C}_6\text{H}_5\text{CO}_2)_2, \text{H}_2\text{O}$.—White odorless and tasteless crystals, sparingly soluble in cold water, readily in hot water and alcohol. Employed as an antisyphilitic. Dose, subcutaneously, 0.25 Gm (4 grs.) daily, in pill form, 0.006—0.012 Gm. (1-10—1-5 gr.) several times daily. Also employed externally in treatment of syphilitic sores and gonorrhœa.
- MERCURY CARBOLATE, PHENYLATE.**— $\text{Hg}(\text{C}_6\text{H}_5\text{O})_2, \text{H}_2\text{O}$.—Colorless needles, scarcely soluble in water or cold alcohol, but moderately soluble in warm alcohol and in ether and glacial acetic acid. Antisyphilitic. Dose, in pill form, 0.02 Gm. ($\frac{1}{2}$ gr.).
- MERCURY TANNATE.**— $\text{Hg}_2(\text{C}_{14}\text{H}_9\text{O}_9)_2$. Dark green, odorless and tasteless powder, insoluble in water. Employed in syphilis. Internally in doses of 0.10 Gm. ($1\frac{1}{2}$ grs.), 2 or 3 times daily.
- METADIOXYBENZOL.**—Refer to Resorcin.
- METHACETIN.**— $\text{C}_9\text{H}_{11}\text{NO}_2$. Lustrous scales, odorless and tasteless; scarcely soluble in cold water, ether and volatile oils; readily in boiling water, alcohol, chloroform, glycerin and fixed oils. Antipyretic and antirheumatic. Dose, 0.33-0.65 Gm. (5-10 grs.).
- METHANILID.**—Refer to Exalgin.
- METHOXYANTIFEBRIN.**—Refer to Methacetin.

METHYLACETANILID.—Refer to Exalgin.

METHYLAL.— $\text{CH}_2(\text{OCH}_3)_2$. Limpid, colorless liquid of penetrating ethereal odor; soluble in 3 parts water, also in alcohol, ether and fixed and volatile oils; not inflammable. Hypnotic and anæsthetic. Dose, 2-4 C. e. ($\frac{1}{2}$ -1 dr.).

METHYLBENZOL.—Refer to Hypnone.

METHYLENE BLUE.— $\text{C}_{16}\text{H}_{18}\text{N}_3\text{SCL}$.—An aniline color slightly soluble in water. Administered interuually for rheumatism in doses of 0.2 Gm. (3 grs.).

METHYLENEDIMETHYLETHER.—Refer to Methylal.

METHYLENE CHLORIDE.— CH_2Cl_2 .—Colorless liquid resembling chloroform in odor and solubility. Anaesthetic.

METHYLPHENYLACETAMID.—Refer to Exalgin.

METHYLPHENYLACETONE.—Refer to Hypnone.

METHYL VIOLET.—Refer to Pyoetanin.

METHOZIN.—Refer to Antipyrine.

MONOCHLORALANTIPYRINE.—Refer to Hypnal.

MONOMETHYLPYROCATECHIN.—Refer to Guaiacol.

MORRHUOL.—Thick fluid of bitter taste and aromatic odor. Dose, 0.20 gm. (3 grs.). Derived from and substitute for cod liver oil.

MYRTOL.—Composed of various constituents of volatile oil of myrtle, pinene, cineol, dipentene, etc. Weak antiseptic, employed in pulmonary complaints. Dose, 0.15 Gm. ($2\frac{1}{2}$ gr.).

NAPHTHALIN.— C_{10}H_8 . White, lustrous tabular crystals of tarry odor and burning taste. Scarcely soluble in alcohol and water, readily in ether and chloroform. Antiseptic. Internally in doses of 5 Gm. (75 grs.) daily.

NAPHTHALOL, **NAPHTHOSALOL**.—Refer to Betol.

NAPHTHOL.— $\text{C}_{10}\text{H}_7\text{OH}$. Colorless, lustrous scales or white crystalline powder with faint odor and slight burning taste, very little soluble in water, alcohol, ether, chloroform, oils, and alkaline liquids. Antiseptic. Used internally in skin diseases.

NICKEL BROMIDE.— NiBr_2 . Greenish crystals or powder, soluble in alcohol and ether. Hypnotic. Dose, 0.3 Gm. (5 grs.).

NITROGLYCERIN.— $\text{C}_3\text{H}_5(\text{NO}_3)_3$.—Appears on the pharmaceutical market in 0 per cent. and 1 per cent. solutions. Used in neuralgia, migraine, etc., in doses of 1-10 drops of the 1 per cent. dilution. See Spirit Glonoin, N. F.

OREXIN HYDROCHLORIDE.— $\text{C}_{14}\text{H}_{12}\text{N}_2 \cdot \text{HCl}, 2\text{H}_2\text{O}$.—Yellowish gray powder soluble in hot water, of a very bitter and pungent taste. Employed in anorexia or loss of appetite. Dose, 0.3-0.5 Gm. (5-8 grs.) twice daily in form of pills or capsules.

- ORTHOMETHYLACETANILID.—Refer to Exalgin.
- ORTHOXYBENZOLSULPHONIC ACID.—Refer to Acid, Sozolio.
- ORTHOPHENOLSULPHONIC ACID.—Refer to the same.
- ORTHOSULPHAMIDOBENZOIC ANHYDRIDE.—Refer to Saccharin.
- OXYMETHYLANILID, OXYMETHYLPHENYLACETAMID.—Refer to Phenacetine.
- OXYDIMETHYLCHINIZINE.—Refer to Antipyrine.
- OXYMETHANILID OXYMETHYLPHENYLACETAMIDE.—Refer to Methacetin.
- PAPAIN, PAPAYOTIN.—A proteolytic ferment obtained from the fruit of the pawpaw. Light colored, amorphous powder.
- PARAACETANISIDIN.—Refer to Methacetin.
- PARADIOXYBENZOL.—Refer to Hydrochinone.
- PARAIODPHENOLSULPHONIC ACID.—Refer to Soziodol.
- PARACOTOIN.— $C_{15}H_{12}O_6$.—A light, yellow powder, odorless and tasteless, sparingly soluble in water and ether; more readily in alcohol. Dose, 0.1-0.2 Gm. ($1\frac{1}{2}$ -3 grs.) Employed in catarrhal affections of the intestinal tract.
- PARAMONOBROMACETANILID.—Refer to Antiseptin.
- PARAMONOBROMPHENYLACETAMIDE.—Ditto.
- PARALDEHYDE.— $C_6H_{12}O_3$.—Colorless, limpid fluid of peculiar odor and taste, soluble in ten parts cold water, less soluble in warm water, miscible in all proportions with alcohol and ether. Hypnotic. Dose, 2-4 C. c. (30-60 ms.)
- PELLETIERINE SALTS, TANNATE, ETC.—Dose, 0.3-0.65 (5-10 grs.)
- PHENACETINE.— $C_{10}H_{13}NO_2$.—White, odorless and tasteless crystals or powder, very little soluble in water, soluble in 16 parts of alcohol, also in ether. Antipyretic and antiseptic. Dose, 0.5-1.0 Gm. (8-15 grs.)
- PHENOCOLL HYDROCHLORATE.— $C_{10}H_{14}N_2O_2HCl$.—White micro-crystalline powder, soluble in 16 parts cold water. Antipyretic. Dose, 0.5 Gm. (8 grs.)
- PHENYL SALICYLATE.—Refer to Salol.
- PHENYLACETAMIDE. Refer to Acetanilid.
- PHENYLDIHYDROCHINAZOLIN. Refer to Orexin.
- PHENYLDIMETHYLPYRAZOLON. Refer to Antipyrine.
- PHENYL URETHAN. Refer to Euphorin.
- PIPERAZINE, PIPERAZIDINE. Refer to Spermin.
- PIPERONAL.—Alkaloid of black pepper. Antiseptic and antipyretic. Dose, 1 Gm. (15 grs.).
- POTASSIUM OSMATE.— K_2OsO_4 .—Violet red powder, soluble in water. Employed subcutaneously in 10 per cent. aqueous solution in peripheral neuralgias, sciatic rheumatism, etc.; also in conjunction with bromides in treatment of epilepsy, in form of pills made with Kaolin, and containing 0.001 Gm. (1-60 gr.) of the salt.

PUNICINE. Refer to Pelletierine.

PYOCTANIN.—Two aniline colors (the blue being "methyl violet," the yellow, "auramine") are in use under this name as antiseptics.

PYRIDINE.— C_5H_5N .—Colorless liquid of empyreumatic odor and pungent taste, miscible with water in all proportions. Used by inhalation in asthma.

PYRODIN.—Refer to Hydracetic.

RESORCIN.— $C_6H_4.OH.OH$.—Colorless crystals of faint odor, pungent taste, readily soluble in water, alcohol, and ether; not in chloroform. Antiseptic and antipyretic; Dose, 0.5-1 gm. (8-15 grs.) or more.

RUBIDIUM AMMONIUM BROMIDE.— $RbBr (NH_4Br)_3$.—White crystalline powder of cooling, salty taste. Sedative; used in epilepsy in doses of 4-5 Gm. (60-75 grs.) *pro die*.

SACCHARIN.— $C_7H_5SO_3N$.—White powder, soluble in hot water, alcohol, ether, and alkaline liquids; odor faint, taste intensely sweet, which is best recognized in weak solution. Antiseptic. Used mainly as a substitute for sugar when carbohydrates cannot be permitted to be administered.

SALINAPHTHOL.—Refer to Betol.

SALIPYRIN.— $C_{11}H_{12}N_2O$. $C_7H_6O_3$.—White, crystalline, odorless powder, readily soluble in alcohol, sparingly in water, and ether. Antipyretic and antiseptic. Dose, 1-2 Gm. (15-30 grs.).

SALUFER.—Refer to SODIUM SILICOFLUORIDE.

SALOL.— $C_6H_5.C_7H_5O_3$.—White crystalline powder of faint aromatic odor, practically tasteless, insoluble in water, soluble in 10 parts alcohol, 0.3 parts ether, also in fixed and mineral oils. Antirheumatic and antiseptic. Dose, 1-2 Gm. (15-30 grs.).

SODIUM ETHYLATE.— C_2H_5ONa .—White masses to be dissolved in absolute alcohol and used as a depilatory.

SODIUM DITHIOSALICYLATE.— $(NaC_7H_4O_3)_2S_2$.—Grayish powder, readily soluble in water. Antiseptic. Dose, 0.20 Gm. (3 grs.).

SODIUM SILICOFLUORIDE.— $Na_2F_2SiF_2$.—White, odorless and tasteless powder, sparingly soluble in water. Antiseptic.

SOMNAL.—Transparent liquid of bitter taste, readily soluble in alcohol and water. Hypnotic. Dose, 2 Gm. (30 grs.)

SOZOIODOL.— $C_6H_4O_4Si_2$.—This is an acid which is used in the form of salts, chiefly those of sodium and potassium, which occur in crystals soluble in water, alcohol and glycerine. Antiseptic. Used externally in skin diseases.

The mercury compound is employed subcutaneously in syphilitic affections. Sparingly soluble in water, but solu-

ble to the extent of 25 per cent. upon the addition of mercuric chloride.

SPERMINE.— $(C_2H_5N)_4$.—Supposed by some to be identical with piperazine, ethylenimine, and diethylenediamine. Colorless crystals readily soluble in water. In cold aqueous solution it dissolves 12 times as much uric acid as will lithium carbonate under the same conditions, and has consequently been advised for internal administration as a solvent for uric acid in the system. Dose of alkaloid or its hydrochlorate, 0.3 Gm. (5 grs.) subcutaneously *pro die*, and per os, up to 0.5 Gm. (8 grs.) several times a day.

STROPHANTHIN.— $C_{16}H_{26}O_8$.—Yellowish white amorphous powder of extremely bitter taste, readily soluble in alcohol and water, insoluble in ether. Dose, 0.001–0.002 Gm. (1-6½-gr.).

STYROL.— C_8H_8 .—Aromatic liquid, insoluble in water, miscible in all proportions with alcohol and ether. Antiseptic.

SULPHONAL.— $C_7H_{16}O_4S_2$.—Colorless, odorless, almost tasteless crystals or whitish powder, sparingly soluble in alcohol and water, readily in hot water, ether and chloroform. Hypnotic. Dose, 1-3 Gm. (15-40 grs.).

TEREENE.— $C_{12}H_{16}$.—Almost colorless fluid of aromatic odor, scarcely soluble in water, readily in alcohol and exceedingly so in ether. Used internally and in inhalations in bronchial catarrh. Dose, 4-20 drops three times daily.

TERPIN HYDRATE.—Large, colorless and odorless crystals of faint aromatic taste, sparingly soluble in water, ether and chloroform, soluble in 10 parts alcohol. Expectorant. Dose, 0.1-0.4 Gm. (1½-6 grs.).

TETRAHYDROPARACHINANISOL.—Refer to Thalline.

TETRIODOPYRROL.—Refer to Iodol.

THALLINE.—A chinoline base used mainly in the form of sulphate and tartrate which occur as yellowish-white powders of a coumarin-like odor, soluble in about 10 parts water, sparingly soluble in alcohol, scarcely so in ether. Antipyretic and antiseptic. Dose, 0.12-0.5 Gm. (2-8 grs.). Externally in form of injection for gonorrhœa.

THIOL.—Occurs in scales or as a dense fluid similar to ichthyol, its medical properties and uses being identical with the latter. Soluble in water.

THIORESORCIN.—Yellowish gray, tasteless powder, insoluble in water, sparingly soluble in alcohol and ether. Antiseptic; advised as substitute for iodoform.

TRINITRIN. Refer to Nitroglycerin.

TUBERCULIN.—Occurs in solution, the 10 per cent. solution being moderately stable, the 1 per cent. readily decomposing and must be freshly prepared when wanted. Introduced as an antituberculous. Exhibited subcutaneously.

URETHAN.— $C_2H_5NH_2CO_2$. — Colorless crystals, odorless, and with niter-like taste, readily soluble in water and most media. Hypnotic. Dose, 1-2 Gm. (15-30 gr.).

ORGANIC CHEMICALS.

With molecular formulæ, and solubility in water, alcohol and ether.

Meaning of abbreviations with reference to solubilities :

sol. — soluble. ins. — insoluble. s. s. — sparingly soluble. v. s. — very soluble. h. s. — soluble in hot liquid.

	Water.	Alcohol.	Ether.
Acetanilid.— $C_6H_5 \cdot NHCO_2H_3O$	ins.	sol.	
Acetone.— C_3H_6O	liq.	sol.	sol.
Acetic Acid.— $CH_3 \cdot COOH$	perfectly miscible.		
Aconitine.— $C_{33}H_{43}NO_{12}$	ins.	sol.	sol.
Acids. Refer under name of Acid.....			
Aldehyde.— C_2H_4O	liq.	perfectly miscible.	
Alizarin.— $C_{14}H_8O_4$	s. s.	sol.	sol.
Alloxan.— $C_4H_2N_2O_4$	sol.	sol.	
Amygdalin.— $C_{20}H_{27}NO_{11} \cdot 3H_2O$	s. s.	s. s.	ins.
Amyl Alcohol.— $C_5H_{10}HO$	liq.	s. s.	sol.
Amylene Hydrate.— $C_6H_{10}O$	liq.	sol.	
Anacardic Acid.— $C_{22}H_{32}O_3$		v. s.	v. s.
Anethol.— $C_8H_{10}O$	liq.		
Aniline.— $C_6H_5 \cdot NH_2$	liq.	3:100	perfectly misc.
Anisic Acid.— $C_6H_4(OCH_3)COOH$	s. s.	sol.	sol.
Anthroquinone.— $C_{14}H_8O_2$	ins.	s. s.	s. s.
Apomorphine.— $C_{17}H_{17}NO_2$	s. sol.	in HCl.	
Arabin.— $(C_6H_{10}O_5)_2 \cdot H_2O$	v. s.	s. s.	
Asparagin.— $C_4H_8O_3N_2 \cdot H_2O$	sol.	ins.	ins.
Benzaldehyde.— $C_6H_5 \cdot CON$	liq.	1:50	perfectly misc.
Benzanilid.— $C_6H_5CONHC_6H_5$	ins.	sol.	s. s.
Benzoic Acid.— $C_6H_5 \cdot CO \cdot H$	s. s.	s. s.	sol.
Benzol.— C_6H_6	liq.	ins.	sol.
Bromal.— $CBr_3 \cdot COH$	liq.	dec'm'd.	
Bromoform.— $CHBr_3$	liq.	ins.	
Brucine.— $C_{23}H_{26}N_2O_4 \cdot 4H_2O$	s. s.	sol.	ins.
Butyl Alcohol.— C_4H_9HO	liq.	sol.	in HCl.
Butylchloral.— $C_4H_5Cl_3O$	liq.	sol.	in hot wat'r decomposed.
Camphoric Acid.— $C_8H_{14}(COOH)_2$	1:10	1:1	sol.

	Water.	Alcohol.	Ether.
Chinoline.— C_9H_7N	liq.	.....	.....
Chloral.— C_2HCl_3O	sol.	..	.....
Chlor'al Alcoh'late.— C_2HCl_2O, C_2H_6O	sol.	sol.	.....
Chloral Hydrate.— C_2HCl_3O, H_2O	sol.	.....	.....
Chloroform.— $CHCl_3$	liq.	ins.	sol. sol.
Chrysophanic Acid.— $C_{15}H_{16}O_4$	ins.	s. s.	sol.
Cinnamic Acid.— $C_8H_7.COOH$	h. s.	sol.	sol.
Coniferin.— $C_{16}H_{22}O_5, 2H_2O$	h. s.	sol.	ins.
Coniine.— $C_8H_{17}N$	liq.	s. s.	perfectly misc.
Copaivic Acid.— $C_{20}H_{30}O_2$	ins.	sol.	.....
Cresol.— C_7H_8O	s. s.	sol.	sol.
Cresotinic Acid.— $C_7H_7O.COOH$.....	.....	.....	.....
Crotonic Acid.— $C_3H_5.COOH$	1:13	.....	.....
Cumarin.— $C_9H_6O_2$	s. s.	v. s.	v. s.
Dulcit.— $C_8H_8(OH)_6$	1:33	s. s.	.....
Ethers. Refer to Ethyl.			
Ethyl Acetate.— $C_2H_5. C_2H_3O_2$	liq.	perfectly miscible.	
Bromide.— C_2H_5Br	liq.	s. s.	perf. misc.
Butyrate.— $C_2H_5. C_4H_7O_2$	liq.	s. s.	sol. sol.
Chloride C_2H_5Cl	liq.		
Iodide.— C_2H_5I	liq.	perfectly miscible.	
Fluorescein.— $C_{20}H_{12}O_5$	s. s.	sol.	sol.
Formic Acid.— CH_2O_2	liq.	perfectly miscible.	
Fraugulin.— $C_{20}H_{20}O_{16}$	s. s.	h. s.	h. s.
Fraxin.— $C_{32}H_{36}O_{20}$	h. s.	sol.	sol.
Fuchsin.— $C_{20}H_{19}N_3. HCl$	s. s.	sol.	
Furfurol.— $C_4H_3O. COH$	liq.	1:11	sol. sol.
Galactose. $C_6H_{12}O_6$	s. s.	s. s.	
Gentianin, Gentsin.— $C_{14}H_{16}O_5$	s. s.	s. s.	s. s.
Glycerin.— $C_3H_5(OH)_3$	liq.	sol.	sol. ins.
Glycol, Glycocin.— $C_2H_4(OH)_2$	liq.	perfectly miscible.	
Gualacol.— $C_7H_8O_2$	liq.	s. s.	sol. sol.
Hæmatoxylin.— $C_{16}H_{14}O_6, 3H_2O$	h. s.	sol.	sol.
Helenin.— $C_{12}H_{16}O_2$	s. s.	sol.	
Hippuric Acid. $C_8H_8ON. COOH$	h. s.	sol.	s. s.
Indican.— $C_{26}H_{31}NO_{17}$	s. s.	s. s.	
Indol.....	ins.	h. s.	s. s.
Inosit.— $C_6H_{12}O_6, 2H_2O$	1:10	s. s.	Insol.
Iodoform — CHI_3	ins.	sol.	sol.
Kreatin.— $C_4H_9N_3O_2$	h. s.	h. s.	.....
Lactic Acid. — $C_2H_5O. COOH$	liq.	perfectly miscible.	
Lactose — $C_{12}H_{22}O_{11}, H_2O$	1:7	s. s.	.....
Levulose.— $C_6H_{12}O_6$	sol.	sol.	.....
Maltose.— $C_{12}H_{22}O, H_2O$	sol.	sol.	.....
Mannit. — $C_6H_8(OH)_6$	1:6.5	h. s.	s. s.
Meconin.— $C_{16}H_{16}O_4$	h. s.	.....	.....

	Water.	Alcohol.	Ether.
Meeonic Acid.— $C_7H_4O_7, 3H_2O$	h. s.	sol.	sol.
Menthol.— $C_{10}H_{20}O$	s. s.	sol.	sol.
Methane.— CH_4	gas.		
Methyl Alcohol.— CH_4O	liq.	perfectly miscible.	
Methyl Ether.— C_2H_6O	gas.		
Methyl Iodide.— CH_3I	liq.		
Morphine.— $C_{17}H_{19}NO_3, H_2O$	1:1000	sol.	
Murexid.— $C_8H_8N_6O_6, H_2O$	h. s.		
Naphthalin.— $C_{10}H_8$	ins.	s. s.	v. s.
Naphthoie Acid.— $C_{10}H_7... COOH$	ins.	sol.	
Naphthol.— $C_{10}H_7OH$	ins.	sol.	sol.
Nareotine.— $C_{22}H_{23}NO_7$	ins.	sol.	sol.
Nieotine.— $C_{10}H_{14}N_2$	liq.	sol.	sol.
Nitroglycerin.— $C_3N_5(NO_3)_3$	liq.	ins.	sol.
Oleic Acid.— $C_{17}H_{33}.COOH$	liq.	ins.	sol.
Olein.— $C_3H_5(C_{18}H_{33}O_2)_3$	liq.	ins.	s. s. pf. mis.
Oxalic Acid.— $(COOH)_2, H_2O$	1:9		
Palmitin.— $C_3H_5(C_{16}H_{31}O_2)_3$	ins.	s. s.	v. s.
Papaverine.— $C_{21}H_{21}NO_4$	ins.	ins.	s. s.
Paraldehyde.— $C_6H_{12}O_3$	liq.	1:9	sol.
Phenol.— C_6H_5OH	1:10	v. s.	v. s.
Phenolsulphonic Acid.— $C_6H_4OH.SO_2..$ $H, 2H_2O$	v. s.	v. s.	
Phloridzin.— $C_{21}H_{24}O_{10}, 2 H_2O$	h. s.	sol.	sol.
Phloroglucin.— $C_6H_3(OH)_3, 2H_2O$	sol.	sol.	sol.
Phthalic Acid.— $C_6H_4(COOH)_2$	s. s.	sol.	sol.
Piperidin.— $C_5H_{10}NH$	liq.	sol.	sol.
Piperin.— $C_{17}H_{19}NO_3$	ins.	sol.	sol.
Piperonal.— $C_8H_6O_3$	liq.	h. s.	ins.
Propylamine.— $C_3H_7NH_2$	liq.	sol.	
Pyridine.— C_5H_5N	liq.	sol.	
Pyrogallie Acid.— $C_6H_3(OH)_3$	v. s.	v. s.	sol.
Pyrrol.— C_4H_5N	liq.		
Quercit.— $C_6H_{12}O_5$	sol.		
Quercitrin.— $C_{33}H_{36}O_{17}$	ins.		
Resorcin.— $C_6H_4OH_2$	sol.	sol.	sol.
Rosolic Acid.— $C_{26}H_{16}O_8$	ins.	sol.	
Saccharic Acid.— $C_4H_8O_4(COOH)_2$	v. s.	sol.	
Salicin.— $C_{13}H_{18}O_7$	h. s.	sol.	ins.
Santonin.— $C_{15}H_{18}O_3$	s. s.	sol.	sol.
Sorbit.— $C_6H_{14}O_6$	ins.	s. s.	
Sparteine.— $C_{15}H_{26}N_2$	liq.	s. s.	
Stearin.— $C_3H_5(C_{18}H_{35}O_2)_3$	ins.	h. s.	h. s.
Stearic Acid.— $C_{17}H_{35}COOH$	ins.	h. s.	sol.
Strychnine.— $C_{21}H_{22}N_2O_2$	ins.	h. s.	
Styracin.— $C_{18}H_{16}O_2$	ins.	h. s.	sol.

	Water.	Alcohol.	Ether.
Stryol.— C_3H_3.....liq.	ins.	perfectly	misc.
Succinic Acid.— $C_2H_4(COOH)_2$....liq		sol.	sol.
Tannin.— $C_{14}H_{10}O_2$	sol.	s. s.	s. s.
Tartaric Acid.— $C_2H_4O_2(COOH)_2, H_2O$.	sol.	sol.	ins.
Taurocholic Acid.— $C_{26}H_{43}NO_7S$	sol.	sol.	ins.
Terbène.— $C_{10}H_{16}$.....liq.	ins.		
Terpinol.— $C_{26}H_{34}O$.....liq.			
Thebaine.— $C_{19}H_{21}NO_3$	ins.	sol.	sol.
Theine.— $C_{10}H_{10}N_4O_2, H_2O$	1:75.	1:65.	
Theobromine.— $C_7H_5NO_2$	s. s.	s. s.	s. s.
Thioresorcin.— $C_6H_4(SH)_2$			
Thymol.— $C_{10}H_{13}OH$	s. s.	sol.	sol.
Toluol.— C_7H_8.....liq.	ins.	s. s.	sol.
Trichloroacetic Acid.— $CCl_3..COOH$..	s. s.	sol.	sol.
Trimethylamine.— $(CH_3)_3N$	s. s.	s. s.	
Umbelliferon.— $C_9H_6O_3$	h. s.	sol.	sol.
Urethan — $C_2H_5. NH_2CO_2$	sol		
Urea N_2H_4CO	1:1.	1:5	s. s.
Uric Acid. $C_5H_4N_4O_3$	s. s.	s. s.	ins.
Veratrine. $C_{32}H_{52}N_2O_8$	h. s.	sol.	sol.

GERMAN NAMES AND SYNONYMS OF DOMESTIC REMEDIES.

Aalfett	Cod Liver oil.
Aalraupenfett..	Cod Liver oil.
Abedillendok	Opodeldock.
Abführpulver.....	Comp. Licorice powder.
Ackerschnallen	Red Poppy flowers.
Aekerveilchen	Pansy (Herb.).
Ackerwurzel	Calamus root.
Adernthee.....	Centaury.
Aderminzkraut	Spearmint. Menth crisp.
Adewurzel...	Marshmallow root.
Admiralsalbe	Mercurial ointment (mild).
Aegyptenkraut	Melilot (herb.).
Aetzstein, blauer-, weisser...	Copper sulph.—Zinc sulph.
Aganzwurzel	Galangal root.
Akebosade	Mixt. Vulner. Acid.
Alant	Rad. Helenii.
Album graecum....	Gentian root.
Alkermes saft	Cochineal syrup or Syr. Poppy.
Allerlei Gewürz.....	Sem. Amomi.
Allermannsharnisch, langer-, runder.....	Rad. Vitorialis long,—rotund.
Allgemeine Flusstropfen ...	Tr. Carminat.
Allgemeines Heilspflaster...	Emp. fuscum — Brown Lead plaster.
Allirantenwurzel	Alkanet root. Rad. Aleannae.
Allraunwurzel	Bryonia root & Mandragora.
Alraupenöl	Cod Liver oil.
Alte Kolonder.....	Cologne.
Alter Schweden.....	Elixir long life.
Altheeklappensaft.....	Syrup of Poppy flowers.
Altheesalbe	Ungt. flav.
Alwe	Aloes.
Ameisenöl	Linseed oil, Spts. of Ants
Ameisenpulver.....	Insect powder.
Ammenpulver.....	Pulv. Magnesia comp.
Amselspiritus	Spirit of Formic acid
Anhalts pulver,-tropfen ..	Cinnamon pulv. tincture.
Anisdrop	Succ. Liquirit. Anis.
Anodyne	Spirit of Ether.
Ansprungssalbe.....	Zinc ointment or Ungt. leniens.
Apfelkraut	Herb. Marrubii.
Apfelsinensaft	Syrup Lemon—Syr. Orange.
Apostelsalbe	Basilicon ointment.
Apoteltod Apothecke. ...	Opodeldoc.

Bergöl, schwarzers	Petroleum—Ol. Rusci
Berliner-Salz,-Thee.	Bi Carb. Soda—St. Germain tea.
Bernsteinsalbe	Basilicon ointment.
Beruhigungs-pulver	Pulv. Rhei comp.
“ saft,-tropfen	Syrup Poppy—Syr. Poppy or Tr. Valerian.
Bieberfett	Lard.
Biebergeilfett.	Lard scented with Tr. Castor.
Biebergeist	Tincture Castor.
Biebernellen-essenz,-wurzel	Tinct. Pimpinella—Pimpinell root.
• Bienen-harz,-kraut	Benzoin—Melissa (herb).
Bilsenöl	Ol. Hyoseyami coct. (N. F.)
Bilsensamen zum räuehern	Hyoseyamus and Parsley seeds.
Bimsen-stein,-mehl	Pumice stone.—Powd'r'd Pumice.
Birken-öl,-theer	Ol. Rusci.
Bitterblatt—Bitterklee	Herb Trifolii.
Bitterdistel	Blessed Thistle.
Bitterholz	Quassia wood.
Bittersaltz	Epsom salts.
Bittersüss	Bittersweet.
Bitterwurzel	Gentian root.
Blackfishbein	Cuttlefish bone.
Blähungs-pulver,-tropfen	Comp. Licorice powd.—Tinet. Carminat.
Blasenpflaster	Cantharides plaster.
Blauer Vitriol	Copper sulphate.
Blauholz	Logwood chips.
Blansaures Kali	Ferrocyanide of Potass.
Blauspißne	Logwood chips.
Blaustein	Copper sulphate.
Bleich-pulver,-tropfen,	Chlorinated Lime.Tr. Ferri pom.
Bleichwasser.	Sol. Hypochlorite of Soda.
Bleicerat	Sub-acetate of Lead ointment.
Bleierz	Plumbago.
Blei-extrakt,-essenz	Sub-acetate Lead solution.
Bleiglüttpflaster	Lead plaster.
Bleiweiss	Zinc oxide.
Bliewater	Lead water. (Liq. Pl. sub. ac. dil.)
Blitzpulver	Lycopodium.
Blumenstaub	Lycopodium.
Blutholz.	Logwood chips.
Blutreinigungs-pillen,- pulver	Cathartic pills.—Licorice powd.
Blutreinigungs-thee,-tropfen	Laixative tea.—Tr. Pini. co.
Blutwurzel	Tormentilla root.
Bockholz	Guaiaecum wood.

Bodenasche	Potassium carbonate.
Bohrenfett	Lard (Bear fat).
Brandsalbe	Lead ointment.
Braunholz	Logwood chips.
Braunsehweiger salz	Sodium sulphate.
Breehwurzel	Ipecac root.
Bremenöl—Brem-senöl	Bone oil.
Brockenmoos	Iceland Moss.
Bruchpflaster, roth-, braun- ..	Oxycroceum plaster.
Bruchpflaster, schwartze ..	Brown Lead plaster.
Brustdiakel	Empl. Matis.
Brust-elexir,-kraut	Elixir Licorice.—Pansy (herb).
Brustpulver	Compound Licorice powder
Brust-saft,-salbe,-thee	Syr. Licorice—Basilicon oint.— Pectoral tea.
Brusttropfen, Dänische	Elixir Licorice.
Bullrichsalz	Bicarbonate Sodium.
Canehl	Cinnamon.
Canehl-rinde,-blütthe	Canella—Cassia buds.
Cardobenedicten-kraut	Blessed Thistle.
Cardebenedictensalz	Potass. carb. pure.
Cassien-holz,-rinde	Cinnamon.
Cedernholz	Juniper wood.
Cementtropfen	Tincture Cinuamon.
Cervelatspiritus	Stronger water of Ammonia.
Chinatropfen	Tincture Cinchona.
Chocoladenpflaster	Brown Lead plaster,—Chocolate plaster (N. F).
Christipalmöl	Castor oil.
Christpflaster	Lead plaster.
Cichorienblütthe	Flor. Cichor.—Malva flowers.
Cichorien-saft,-wurzel	Syr. Rhubarb—Chicory root.
Citronen-kraut,-salbe	Melissa (Herb) — Citrine oint- ment.
Citronen-salz,-zucker	Citric acid.—Lemon sugar.
Cockelskörner	Sem. Cocculi, Pu.v. Pedicul. gris.
Commendatorbalsam	Tinct. benzoin comp.
Curellusches pulver	Comp. Licorice powder.
Curirstein	Zinc sulphate.
Dänische tropfen	Elixir Licorice.
Danziger tropfen	Tr. Aromat, or tr. Amara.
Darmkrampftropfen	Wine of Rhubarb.
Diakel, braun-,grüner,-weich- er-, weisser	Co. Lead plaster.—Ungt. Diach.— Emp. Malls—Lead plaster.
Diakelpflaster--Diakelsimpel	Lead plaster.

Diestelkraut...	Blessed Thistle.
Diebsessig	Aromatic vinegar.
Distelkraut	Blessed Thistle.
Distel, gesegnete.	" "
Ditt und Datt.....	Theriac.
Doppelsalz....	Potass. sulphate.
Doppelten Natron.....	Sodium bicarbonate.
Draehenblut	Dragon's blood.
Dreiacker....	Theriac, electuary.
Dreiblatt	Hb. Trifol. fibrin.
Dreidornwurzel.....	Rad. Berberidis.
Dreifaltigkeitskraut.....	Pansy (Herb).
Dresdener Thee.....	St. Germain tea—Laxative tea.
Drüsenöl.....	Camphorated Volatile liniment.
Dürrband	Empl. Oxyrocei.
Düttensaft	Syr. Poppy flowers.
Dulcianstroffen	Tinet. Aromat.
Dupplikatsalz	Potass. sulphate.
Durchdringöl	Ol. Hyperici.
Durchgangstropfen.....	Wine of Rhubarb.
Durchwachskraut	Hb. Perfoliatæ—Hb. Pulmonariæ.
Durchwachsol.	Ol. Coet. vir.—Ol. Hyperici.
Durchwachssalbe-, gelbe.	Poplar oint.—Ungt. Simpl.
Durchzugspflaster, weisses-, schwarzes-	Spermæceti cerate.—Emp. Matis.
Ehrenpreis.....	Hb. Veronicæ (Speedwell).
Elbisch-kraut,-saft	Althæa lvs.—Syr. Althæa.
Elbischsalbe	Simple ointment.
Elbisch-thee,-wurzel	Althæa root.
Eichelkaffee	Acorn Coffee.
Eichwalswurzel.. ..	Gentian root.
Einbeeröl.....	Oil Juniper wood.
Einklappe—Einklopfpulver.	Lycopodium.
Einkloppe—Einstreupulver..	"
Eisenkraut	Verbena (herb).
Eisenpflaster... ..	Emp. Oxyrocei.
Eisentropfen	Tr. Ferri pom. or Tr. Ferri. acet. aeth.
Eisenvitriol	Sulphate of Iron.
Eissalbe	Ungt. Plum'bi.
Element, fliegend oder flüchtig	Volatile liniment.
Elefantshorn.	Burnt hartshorn—Calcium. phos.
Elendskörner	Grains of Paradise.
Elephantenmilch	Anacardium—Cashewnut.

Elixir, Schwedische.....	Elixir long life (Elix. ad long-vitam.)
Emanuels Thee	Laxative tea.
Engelsrauch.....	Olibanum.
Engelwurz.....	Angelica root.
Englisch flüchtiges salz.....	Ammonium carb.
Englisch-gewurz,-salz.	Sem. Amomi.—Epsom salts.
Engwer	Ginger root.
Entbindungstropfen	Tinct. Cinnamon.
Enzian	Gentian root.
Erd-harz,-pech.....	Amber—Asphaltum.
Essentia dulcis	Spirit Nitre—Tr. Salis hallensis.
Essenz, amara-, mariana-...	Tr. Amara.
Essenztinktur	Tinct. Aloes comp.
Familien-thee	Laxative tea.
Faulbaumrinde	Buckthorn bark.
Feigensaft.	Syrup Licorice.
Feine Crete Margrete	Foenugreek.
Feldmohn—Feldrosen.....	Red Poppy flowers.
Fenchöl	Fennel.
Fettstein	Soapstone.
Feuerblumen	Red Poppy flowers.
Fieber-klee -kraut.....	Herb. Trifolii.—Herb. Centaurii
Fieber-rinde,-tropfen.	Cinchona-bark,—incture.
Fischkorner.....	Fish berries.
Fischleim..	Gelatine.
Flachssamen.....	Linseed.
Flachssaatmehl.	Linseed meal.
Flechtsalbe.	Zinc oint.—White Precip. oint.
Fliederthee.....	Elder flowers.
Fliegenpflaster.....	Cantharides plaster.
Fliegenspähe,-thee.....	Quassia chips.
Flüchtige salbe.	Liment. Ammonia.
Flüchtiges salz.....	Ammon. carb.
Flussöl.....	Liquid Opodeldoo—Lin. Saponis
Fluss-pflaster,-pillen.....	Empl. Canthar.—Laxative pills
Fluss-spiritus,-tinktur.....	Lin. Saponis.—Elix. ad long vit.
Fontanellpflaster.	Resin or Lead plaster.
Fontanell salbe	Cerat. Canthar.
Franzbranntwein	Cognac brandy.
Franzosen-holz,-öl,-salbe...-	Guaiaac wood Bone oil—Blue oint
Französischer Thee.....	St. Germain tea—Lax. tea.
Frost-salbe,-wasser.....	Oint. sub. Ac. Lead—Aq. Cin-
	nam. 15, Acid nit. 1.
Fuchshungen-öl,-saft ...	St. Johnswort oil Syr. or Elixir
	Licorice.

Fusspulver.....	Talcum—Alum pulv.
Galante ..	Rad. Helenii.
Galitzenstein-blau-, weiss-..	Copper sulph.—Zinc sulph.
Galoppspiritus.....	Ammonia water, stronger.
Gandelbeere	Bac. Myrtilli.
Garbe.....	Sem Carvi.
Garböl	Ol. Carvi.
Gebärmutter-tropfen,-wurzel	Tinet. Cinnamon—Rad. Aristoloch.
Geigenharz.....	Pure Resin.
Geistersalz	Ammon. carb.
Geistwurzel, heilige	Angelica root.
Gelbholz.....	Lign. Citrin.
Germänthee.....	Laxative tea—St. Germain tea.
Gersten-mehl,-zucker.....	Barley meal—Malt or Barley Sugar.
Gesundheitstropfen.....	Mixt. Oleos -bals. — Bal. Vit. Hoffm.
Gesundheitsthee	St. Germain laxative tea.
Gewürzessig	Aromatic vinegar.
Gewürz-pulver,-tinktur.....	Aromatic powder,—tincture.
Gicht-balsam,-öl	Liniment Saponis—Camphorated oil.
Gicht-pflaster,-spane	Emp. Fuscum (N. F.) — Guaiacum wood.
Glaubersalz	Sodium sulph.
Gliederba sam	Mixt. Oleo.-bals.
Gliederöl	Ol. Coct. vir., or Ol. Turpent. & Ol. Hyoscy. aa.
Gliedersalbe	Ungt. Rosin. comp.
Gold-glätte,-pflaster	Litharge—Empl. Fuscum (N. F.).
Gold-tinktur,-tropfen	Spts. Aeth. ferrat. or Tinet. Aromat.
Goldwurzel	Cureuma—Rad. Asphodel.
Gollum	Alum, crude.
Granc-pomade,-salbe	Blue ointment.
Grüner Vitriol.....	Iron sulphate.
Grüspan,-krystall-	Aerugo—Cryst. Copper acetate.
Gummipflaster	Comp. Lead plaster.
Gummipulver	Gum Arabic, pulv.
Hämorrhoidal-pulver,-salbe	Comp. Licorice powd—Gall oint.
Hämorrhoidal-thee,-tinktur.....	Laxative tea—Elixir ad long. vit.
Haller's sauer	Hallisch
sauer	Mixt. Sulph. acida.

- Hamburger-essenz,-pflaster. Tinct. Aloes. — Emp. Fuscum (N.F.).
- Harz, Burgundisches.... Berguudy Pitch.
- Harz-pflaster,-salbe Resin plaster—Basilicon oint.
- Hankstein-blauer—weisser.. Copper sulph.—Zinc sulph.
- Hauscublase.. Isinglass.
- Heckpflaster..... Adhesive plaster.
- Heftpflaster Adhesive plaster.
- Heilbalsam Balsam Peru.
- Heiligen Bitter... Illera piera.
- Heiligengeistwurzel Angelica root.
- Heilig Holz ... Guaiacum wood.
- Heil-pflaster, pulver..... Empl. Plumb. co.—Comp. Lico-
rice pulv.
- Heil-salbe,-stein Lead Oint.—Copper Alumin.
- Heilwasser..... Aq. Vulnerar, or Aqua Carbolis.
- Heil und zugpflaster..... Empl. Plumbi co.
- Herrmanns Thee..... St. Germain tea (N. F.).
- Herzspantropfen. Aromatic tincture.
- Herz-tiuktur,-tropfen Tinct. Cinnamon.
- Hexen-mehl,-pulver.. ... Lycopodium.
- Hirschfett—Hirschtalg... Suet.
- Hirschgeil,-tropfen..... Liq. Ammon. carb. pyrolig.—Tr.
Custor.
- Hirschhorn - geist,-spiritus,-
tropfen..... Aqua Ammonia.
- Hirschhorn, gebrannt..... Bone phosphate.
- Hirschhornöl Bone oil, fetid.
- Hirschhornsalz Ammon. carb.
- Hirschtalg..... Suet.
- Hoffmann's-giehttropfen... Lebensbalsum—Mixt. oleos-ba's.
- “ “ braune. Elixir Orange comp.
- “ schmerzstillende-
tropfen Spirit of Æther.
- Hoffmann's tropfen Spt. Æther, co.
- Holzeisig Pyroligneous acid.
- Hopfen, Spanischer.... Hb. Orig. cret.
- Hospitalpflaster..... Empl. Fuscum.
- Huflattig Coltsfoot.
- Husten-pulver,-thee,-tropfen Comp. licorice powd. —Pectoral
thee—Pectoral elixir.
- Irländisch Moos..... Irish Moss.
- Isländisch Moos Iceland Moss.
- Isop Hyssop.
- Iwisch Althaea root.

Kloppulver	Lycopodium.
Kniekbeeren	Juniper berries.
Knoblauch	Garlic.
Knochenöl	Lard oil.
Knopfroßen	Rose (red).
Knospenöl	Laurel oil.
Königskerzen	Mullein.
Königs-pflaster,-pulver	Chocolate Lead plaster—Fumi- gating powd.
Königs-rinde,-salbe	Cinchona bk.—Basilieon oint.
Königs-wasser, tropfen	Acid Nitro mur.—Elixir Lieorice
Königswurzel	Pyrethrum root.
Kornblumen	Poppy flowers, or Flor Cyani.
Kornblumensaft	Syrup Poppy flowers.
Krämpftropfen	Tinct. Valerian.
Krätzsalbe	Sulphur oint. or White preecip. oint.
Kräuter, aromat	Aromatic tea.
Kräuteröl	Ol. Coet. vir. (N. F.)
Kräuter-salbe,-spiritus	Rosemary oint —Sp. Angelica co.
Kraftmehl	Arrowroot.
Krampftropfen, weisse	Spts. Æther.
Krampfwurzel	Valerian root.
Krauseminze	Peppermint—Spear mint.
Krebssteine	Crab's eyes (Lap. Cancror.)
Kreidenelken	Cloves.
Kreuzenzian	Gentian root.
Kreuzpflaster	Oxycroe. plaster.
Krummholz-öl,-tropfen. . . .	Oil Juniper wood.
Kühl-salbe,-wasser	Lead-oint,-water.
Kümmel,-öl	Caraway—Oil Caraway.
Kupferaugenrauch	Zinc sulphate.
Kupferrrauch	"
Labkraut	Hb. Galli verl.
Läuse-körner,-kraut	Fishberries—Hb. Pedicularis and Scordil.
Läuse-pulver-salbe	Insect powd.—Blue oint.
Läusesamen (?)	Fishberries.
Lakritzenholz.	Licorice root.
Latschenöl	Ol. Pinl Punitlion.
Lattigblüthen	Coltsfoot herb.
Laugensalz, flüchtiges	Ammon. carb.
Lebens-balsam,-elixir	Mixt. Oleog-bals.-Ellx. ad long vit.
Lebens-kraut, öl	Arbor vitæ—Mixt. Oleos.-bals.
Lebenspulver.	Comp. Licorice powd.
Leberkraut	Liverwort.

Lebersalz.....	Sal. Thermar. earol.
Leinsamen.....	Linsced.
Lerehenschwamm.....	Agarie.
Lindenblüthen-saft,-thee	Syr. Althaea—Althaea.
Lindenbaumöl	Olive oil.
Lindenkohle	Charcoal.
Löwenzahn.....	Taraxacum.
Lohrbern.....	Laurel berries.
Lungenkraut	Hb. Pulmonar. off.
Lungenpulver.....	Comp. Licorice powd.
Magenelixir.	Elix. Aurant. Co.
Magenessenz	Tinct. Amar.
Magen-pflaster,-pulver..	Spice plaster—Sod. bicarb.
Magen-salz,-tropfen	Sod. bicarb.—Tinct—Amar.
Maiblumen	Lily of the Valley.
Mairan	Sweet Marjoram.
Malvensaft.....	Syrup Red Poppy flowers.
Mandel-kleie,-mileh....	Almond-meal,-emulsion.
Manna-blätter,-saft.....	Senna and Manna—Syr Manna.
Marginalsalbe.....	Blue ointment.
Marien-blätter,-geist.....	Tansy—Sp. Melissa eo.
Markgrafenfett.....	Blue ointment.
Marköl	Lard oil.
Massikot	Litharge.
Materialsalbe.	Blue oint.
Meerrettigspiritus.....	Mustard spirit.
Meerzwiebel.....	Squills.
Meiran,-butter..	Marjoram—Marjoram oint.
Meister-pflaster, tropf....	Empl. Matis (N. F.)—Tinct Cinch.
Meisterwurzel.....	Rad. Imperatoria.
Meloten-kraut,-pflaster.....	Melilot,-herb,-plaster.
Merkurius, blauer	Blue ointment.
Minder's Geist.....	Liq. Ammon. acet.
Mithridat	Theriac, elect.
Moderpflaster	Empl. Fuscum, N. F.
Mönchspulver.....	Pulv. Pedicular.
Mohnblumen.	Red Poppy flowers.
Mohnköpfe	Poppy capsules.
Mohn-rosen,-saft	Poppy flowers, -syrup.
Monicaöl ..	Ol. St. John'swort.
Moos, Irlländisches.....	Irish Moss.
Moos, Isländisches	Iceland Moss.
Moschatenblüthe.....	Mace.
Mückenfett	Lard.
Mücken-öl,-spiritus..	Spirit Cloves.
Mückenstaub, gelber...	Lycopodium.

Minze Peppermint.
 Muskat-butte ,öl.. . . . Oil of Mace.
 Mutteressenz. Tr. Valerian or Tr. Cinnamon.
 Mutter-harz,-kümmel. . . . Galbanum.—Cummin seed.
 Mutter-pflaster, salbe. . . . Empl. Fuscum (N. F.)
 Mutter-spiritus,-tropfen . . Spir. Mastich co.—Valer. or Cin-
 nam. tr.
 Muttertropfen, weisse. . . . Spir. Æth. or Sp. Meliss. co.
 Nägelchen—Nägelein. . . . Cloves.
 Naphtha Ether or sp. Ether.
 Neapolitaner salbe Mercurial oint.
 Nerventinctur Tinct. Valerian
 Nerventropfen,-saure. . . . Sp. Ether. ferrat.—Acetic Æther
 Niespulver, weisses. Sternutatory powd.
 Nie wurzel, schwarze. . . . Black Hellebore.
 Nürnberger pflaster Empl. Fuscum N. F.
 Nussöl Ol. Butternut or Cottonseed.
 Ochsenkrautpflaster Empl. Oxyerō.
 Pappel-blätter,-blumen. . . . Malva-herb,-flowers.
 Pappel-knospen-salbe Poplar-buds,-oint.
 Pech-flüssiges,-gelbes. . . . Tar—Bergundy pitch.
 Pech, schwarzes Asphalt.
 Perlasche Potass. carb.
 Perlpulver. Lycopodium.
 Perlsalz Sodium phos.
 Peteröl Petroleum.
 Petersilie Parsley.
 Pfeffer Pepper
 Pflaster,-gelbes. Plaster—Resin plast.
 Pflaster, graues. Mercurial plaster.
 Pflaster, hamburger,-magen. Empl. Fusc. (N. F.)—Spice plast.
 Pockholz Guaiac wood
 Pomade, grüne,-, rothe. . . . Blue oint. — Ungt. Hydrarg-
 rub.
 Pomeranzen. Orange.
 Poppoleumsalbe Poplar ointment.
 Präcipitatsalbe, rothe Ungt. Hydrarg, ox. rub.
 Präcipitatsalbe, weisse. . . . White Precip. oint.
 Prinzsalbe. Red Precip. oint.
 Prinzsalbe, weisse. White Precip. oint.
 Provencer Oel Olive oil.
 Prunellenstein. Potass. nitr.
 Pulver, blutreinigendes Comp. Licorice powd.
 “ niederschlagendes. . . . Pulv. Temperans.
 Putzwasser. Acid Sulph. dil.

Queckenwurzel.....	Rad. Graminis.
Quecksilber.	Mercury.
Queddenkern.	Quince seed.
Quercitron.....	Lign. Citrin.
Quittenkerne. ...	Quince seed.
Rüüberessig.....	Aromatic vinegar.
Rainfarren	Tansy
Regenwurmöl	Linseed oil or Ol. St. John's wort.
Regenwurmspiritus.....	Sp. Formicarum
Reglise, braune.....	Licorice lozenges.
Reinbeeröl	Ol. Juniper wood,
Reizsalbe . . .	Cerat. Canthar.
Reichwasser	Cologne.
Rittersalbe....	Blue ointment.
Rosenlatwerge....	Senna electuary.
Rosenmilch	Rosewater, benzoinated.
Rosenöl, rothes.	Ol. Capillor. rub.
Rosenpappelblumen.....	Malva flowers.
Rosen-pomade,-pflaster.....	Rose oint.—Empl. Fuse. N. F.
Rosen-saft,-salbe	Rose Honey—Cold cream.
Rostpulver.....	Acid oxalic (!).
Rothe Kopfsalbe.....	Red Precip. oint.
Rothe wurzel.....	Alkanet root.
Rother Schwefel	Cinnabar.
Rother thee....	Red Poppy flowers.
Rothe prinzipitat. . .	Red Precip. oint.
Rubrik.....	Minium.
Ruhpulver.....	Pulv. Rhei co.
Ruhsaft.....	Syrup Poppy.
Russisch pflaster.	Empl. Fuse. N. F.
Rutsepulver	Soapstone powd.
Saat.....	Seed.
Säwersaat	Wormseed.
Salmiak,-flüchtiger-. . .	Ammon Mur.—Liq. Ammonia.
Salmiak-spiritus	Ammonia water, stronger.
Salpetergeist	Acid Nit. dil.
Salpeterminaphta.	Sp. Nitr. Etli.
Salv	Salve.
Salzgeist	Muriatic acid.
Sanctumholz	Guaiaecum wood.
Sandel, roth.....	Sandal wood.
Saturnsalbe	Lead ointment.
Säure, Hüllersche	Mixt. Sulfur. acid.
Schachtelbalm ..	Horsetail.
Schäferpflaster.....	Empl. Fuse. N. F.

Schäffertropfen.	Tinct. Aromat.
Schafgarbe	Melilot.
Scharlakempulver.....	Jalap powd.
Scharpiesalbe.....	Basilicon oint.
Scharpionöl	Olive oil.
Schedelwater.....	Nitric acid.
Scheidewasser	Nitric acid (!).
Schlafsafte.....	Syrup Poppy.
Schlagtropfen, rothe.....	Tr. Apoplect. rub.
" weisse	Spts. Æther.
Schlagwasser.....	Sp. Angelica co, or Aq. Vulner acid.
Schlagen-fett, öl.....	Cod Liver oil.
Schlagenholz	Guaiacum wood.
Schminke-rothe-, weisse-....	Carminc—Bis. sub. nit.
Schminkwurzel	Alkanet root.
Schneckenöl.....	Cod Liver oil.
Schneekensaft.....	Syrup Althæa.
Schneekensalbe.....	Lead ointment.
Schne-berger Schnupftabak.	White snuff.
Schöllkraut	Celandine.
Schokoladenpflaster.....	Empl. Matis (N. F.)
Schreckpulver	Pulv. Temperans.
Schrecktropfen, rothe.	Bals. Vitæ Hoff.
" weisse.....	Sp. Æther.
Swärzpflaster....	Lead plaster, comp.
Schwalbenöl.....	Lard oil—Ol. viride coct.
Schwammkohle....	Burnt Sponge.
Schwarz Kirschenwasser....	Dil. Bitter Almond water.
Schwartzwüldertropfen	Elix. ad long. vlt.
Schwartzwurzel.....	Comfrey.
Schwedisch Lebenselixir....	Elix. ad long. vlt.
Schwedische tropfen	Elixir Licorice.
Schwefel	Sulphur.
Schwefelalkohol.	Bi-Sulphide Carbon.
Schwefelbalsam	Ol. Linl sulph.
Schwefelblumen	Sulphur sub.
Schwefelleber.....	Potass. sulphide
Schwefelmilch.....	Sulphur præcip.
Schwefelsalbe	Sulphur ointment.
Schwundsalbe.	Zinc ointment.
Scorplonöl	Ol. St. John's wort—Cod liver oil.
Sebersaat ...	Lavant worm seed.
Sedativsalz	Bicarb. soda, or Acid Boric.
Sedlitzer Salz....	Magnes. sulph.
Seejungferfett	Cod liver oil.
Seelenspeck.....	Spermacetl.

Seemoos.....	Irish Moss.
Seeschaum.	Cuttle bone, powd.
Sehnenöl	Camphorated oil.
Seife	Soap.
Seife, spanische-, venetische-	Castile soap.
Seifen-rinde,-stein.....	Soap bark—Caustic soda.
Seifenwurzel	Soapwort.
Seignettesalz	Rochellesalt,
Senföl	Spirit of Mustard.
Silberglätte,-essig.....	Litharge—Lead acetate.
" pflaster... ..	Lead plaster.
" salbe.. ..	Lead ointment .
Sodbrod.....	St. John's bread.
Soldaten holz.....	Guaiacum wood.
Soldatensalbe.....	Ungt. Pedicular.
Spangrün	Acrugo.
Spanior-pulver,-fliege.....	Borax powd.—Empl. Canthar.
Spanischer Pfeffer.....	Capsicum.
Spanisch saft.....	Extr. Licorice.
Specköl	Ol. Spike.
Speckstein.....	Talcum.
Speichelwurzel.....	Pellitory (Rad. Pyrethri).
Spigelsaat.	Fennel.
Spickblumen	Lavender flowers.
Spickeröl.....	Ol. Spike (Ol. Terebin).
Spiess-glanz,-glas.....	Crude Antimony.
Spiritus-fliegender,-flüchtiger Aq. Ammon. fort.	
Sprit.....	Alcohol.
Spröhpulver	Borax pulv.—Lycopodium.
Stabwurzel	Rad. Ari.
Stachelkraut .. .	Herb. Ononidis.
Stach-wurzel.....	Taraxacum.
Stärkungstropfen	Tr. Apoplectica.
Stahlpulver, gelbes.....	Iron oxide, sacch.
Stahlropfen.	Tinct. Iron—Tr. Fer. ac.
Stahlwein	Wine of Iron.
Stangenpfeffer.....	Long Pepper.
Staubwurzel ...	Rad. Imperat.
Stechapfel	Stramonium.
Stechkörner.....	Sem. Cardui Mariae.
Steinbeerenblätter. .	Uva Ursi.
Steinblumen	Flor. Sclachad.
Stein öl	Bone oil—Ol. Petree.
Steinwurzel	Rad. Polypodii.
Stengelsalbe	Lead plaster, comp.
Stephanskörner... .	Sem. Staphisagria. — Pul
	Pedicular.

Stephenssalbe.....	Ungt. c. scab griseum.
Sternkraut	Speedwell.
Sternsamen.....	Star Anise.
Stickwurzel.....	Bryonia.
Steilpfeffer	Cubebs.
Steifmütterchen.....	Pansy (herò).
Stilltropfen.....	Tinet. Valerian.
Stinkasand	Asafœtida.
Stoekrosen	Malva, flor.
Stoffsant	Pulv. Pediculorum.
Streupulver	Lycopodium.
Süssöl ...	Glycerin.
Süsspech.....	Licorice.
Tabak.....	Tobacco.
Tafelsalbe, braune.	Empl. Matis. N. F.
Talkstein ..	Soapstone—Talcum.
Tannapfelöl . .	Ol. Turpentine.
Tann-äpfelöl,-zapfenöl.....	Ol. Turpentine.
Taschenkraut	Shepherd's Purse.
Tausendgüldenkraut. ...	Hb. Cent. min.
Terpentin-geist,-spiritus... ..	Ol. Turpentine
Teufelsdreck	Asafœtida.
Theden's Wundwasser... ..	Mixt. Vul. Acid.
Theer	Tar.
Thieröl (stinkendes)....	Bone oil.
Thierkohle	Ebur ustum.
Thon, weisser.....	White bole.
Thymian.....	Thyme.
Tillytropfen....	Ol. Terebin sulf.
Tiokal.	Borax.
Todtenzahnöl	Kreasote.
Trockenstein..	Calamine.
Tropfen, Danziger.....	Tr. Aromat.
Tropfen, Hoffmannische....	Spirit Æther.
Tropfen, saure	Mixt. sulf. Acid.—Tr. Aromat.
Tropfen, Schwedische	Elix. ad long. vit.
Türkenpulver	Blood root, powd.
Tutia—Tutz.....	Tutia præp.
Umchlagskräuter	Cataplasm herbs.
Ungarischer balsam.....	Venetian balsam.
Ungenannter Politant.....	Blue Oint.
Universal Balsam.....	Empl. fuse. (N. F.)—Tr. Benz. co.
Universal pflaster.....	Empl. Matis N. F.
Universal-salz,-spiritus.....	Bicarb. Soda—Mixt. Oleos. bals.

Zäwersaat.....	Lavant Wormseed.
Zahn-tinktur,-wurzel.... ..	Tinet Myrrh—Orris root.
Zedroöl.....	Oil of Lemon.
Zilkstein	Copper sulph.
Zimmermannsäpfel.....	Gall.
Zimmet, weisser ..	Canella.
Zimmt	Cinnamon.
Zinnkraut.....	Horsetail.
Zinnsalz	Chloride of Tin.
Zitronenkraut.....	Melissa.
Zitronensalbe	Citrine oint.
Zittwer	Zedoary.
Zittwersamen	Lavant Wormseed.
Zucker, schwarzer.....	Ext. Licorice.
Zuckerholz	Licorice root.
Zuckersäure.....	Acid oxalic. (!)
Zweckwurzel	Rad. Graminis.
Zwiebelsäftchen.....	Syrup Squills.

EXAMINATION OF URINE.

The examination of urine for clinical purposes which the pharmacist is frequently called upon to perform consists mainly in the determination of the presence or absence of albumin and sugar, and excess of urea.

It is advisable to commence by ascertaining the *specific gravity* of the fluid, inasmuch as this is in itself an excellent guide for future steps in the operation. The normal specific gravity is 1.010 to 1.020, usually approximating 1.015. A figure below 1.010 indicates excess of water and above 1.020 an excess of solids.

To determine presence of *albumin*, heat a small portion of the fluid submitted for examination in a test tube to boiling. The precipitate formed may be albuminous in character when it will float at the surface of the liquid or it may consist of earthy phosphates (calcium and magnesium) which will fall to the bottom of the vessel and will dissolve upon addition of a few drops of acetic acid which has no effect upon coagulated albumin.

Excess of *urea* need not be sought for unless the specific gravity of the urine exceeds 1.020. Concentrate the fluid in a porcelain dish to one-half its volume, add one-third volume of concentrated nitric acid, C. P., and place the whole in a cold place. A speedy formation of the crystals of nitrate of urea indicates presence of an excess of urea; if only a moderate amount is formed in one-half hour, the percentage of urea is normal, and if none is formed, there is certainly a deficiency of this constituent.

Sugar, which, when present, is in the form of glucose (grape sugar), may be sought for by means of Fehling's solution (refer to National Formulary for method of preparation). Heat this reagent, which must be at least moderately fresh, *per se*, in a test-tube, then add a small amount of the fluid under examination, when, if sugar be present, it assumes a fluorescence, more or less marked, or a reddish precipitate is formed. Of the *Liquor Cupri Alkalini*, Nat. Form., 10cc. represents 0.05 (gram) of glucose.

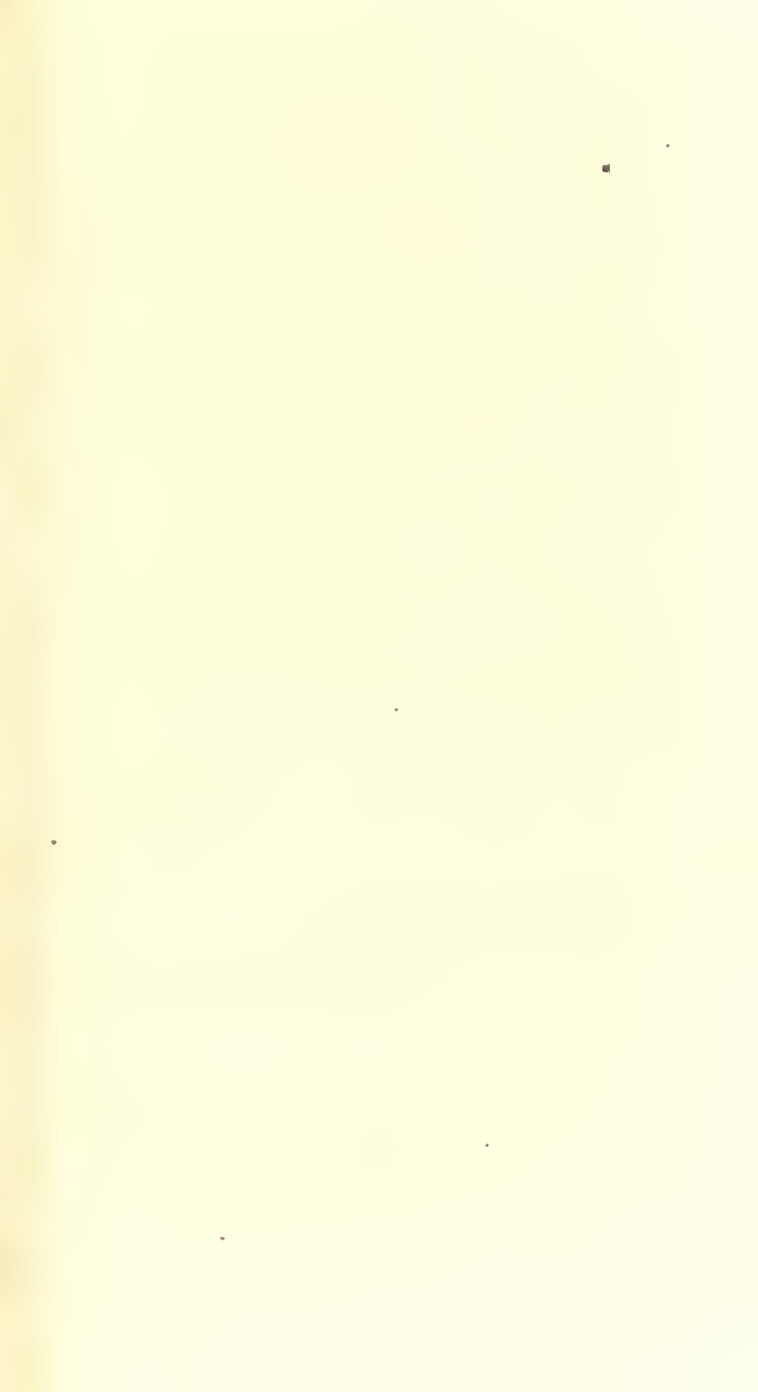
Constituents of the *bile* occasionally make their appearance in the urine. Presence of excess of bile-pigment may be determined by pouring on concentrated nitric acid containing red fumes, a portion of the urine, taking care that the liquids do not materially intermix, and observing the color at the point of juncture; this will be green in case of excess of bile pigment.

Bile salt in excess may be determined by adding to the urine contained in a test-tube, a few grains of ordinary sugar, then carefully adding a small amount of concentrated sulphuric acid. The liquid must not be allowed to rise in temperature above 140 degrees F. A purple tint will be developed at point of contact of the liquids.

MARCH.

31 Days.

1. Tues. 1820, Buchheim, Rudolf, b. Bautzen, Prof. Pharm.
in Dorpat and Giessen, d. 1879.
2. Wed. 1817, Kopp, Emil, b. Wasselnheim, d. Zürich, 1875.
1871, Henkel, J. B., d. Tübingen, Ger., Prof.
Pharm., Univ.
3. Thurs. 1709, Marggraf, Andr. Sig., b. Berlin, d. 1782.
1874, Morson, Thos., d. London, Eng., Pres. Ph.
Soc. Gr. Britain.
4. Frid. 1870, Rødtentaeker, Joseph, d. Vienna, Austr.,
Univ. Prof. Chem. and Pharm.
5. Sat. 1798, Wackenroder, H. W. F., b. Burgdorf, d. 1854,
Jena.



MARCH.

31 Days.

6. Sun. 1884, Squire Peter, d. London, Eng., Author, Comp. Ph. Br.
7. Mon. 1788, Becquerel, Ant. César, Châtillon-sur-Loing, d. 1878 Paris (Electrochem).
8. Tues.
9. Wed. 1451, Vespucci Amerigo, b. in Florence, d. 22 February, 1512, Seville, Spain.
10. Thur. 1762, Richter, Jerem. Benj., b. Hirschberg, d. 1807. Breslau, Ger.
11. Frid. 1719, Seignette, Pierre, d. Rochelle, France (Rochelle, Seignette Salts).
12. Sat. 1824, Kirchhoff, Gust. Rob., b. Königsberg, Prof. in Berlin, d. 1887.

THE PHARMACAL CALENDAR—1892.

MARCH.

31 Days.

13. Sun. 1733, Priestley, Joseph, b. Fieldhead, Eng., d. 6 Feb.
1804, in Northumberland, Penn.

14. Mon.

15. Tues. 1806, Bridges, Robt., b. Philadelphia, d. 1884, Prof.
Chem. Coll. Ph.

16. Wed. 1871, Bringham, Ferris, d. Wilmington, Del., A.
P. A.

17. Thurs. 1803, Löwig, K. J., b. Kreuznach, Ger., Prof. Chem,
Breslau, d. 1890.
1885, Crawford, W. H., d. St. Louis, Coll. Ph., A.
P. A. v. pres.

18. Frid. 1798, Rose, Gustav., b. Berlin, Ger., d. 15 July, 1872.

19. Sat. 1864, Baehle, Franklin, d. Philada., U. S. Dispensa-
tory.

MARCH.

31 Days.

20. Sun.

21. Mon. 1757, Sowerby, James, b. London, d. 18.2, (Mineralog).

22. Tues. 1413, Flamel, Nicolas, d. Paris, b. 1330 (Alchemist.)

23. Wed. 1864, Coxe, Jno. Redmon. d, issued Am. Disp. in 1807.

24. Thurs. 1820, Becquerel, Alex. Edmond, b. Paris, d. 13 May, 1891.
1875, Hanbury, Daniel, d. London, Eng., Pharmacognosy.
1887, Mill, Jas. W., d. Chicago, Prof. Coll. Ph.

25. Frid. 1850, Fincke, Charles, d. Baltimore, Prof. Md. Coll. Ph.

26. Sat. 1834, Vogel, H. W., b. Dohrillugk, Prof. Photogr., Berlin, Ger.

THE PHARMACAL CALENDAR—1892.

MARCH.

31 Days.

27. Sun.

28. Mon. 1749, La Place, Pierre S., Marquis de b. Beaumont-en-Auge, d. 5 March, 1827, Paris, Fr.

29. Tues. 1315, Lullius Raymundus, d. Tunis, b. 1235, Majorea (Alchemist.)

30. Wed. 1879, Wood, Geo. B., d. Philada., U. S. Dispensatory.

31. Thurs. 1811, Bunsen, Rob. Wilh., b. Göttingen, Prof. d. Chem. Heidelberg, Ger.

APRIL.

30 Days.

1. Frid. 1869, Dunglison, Rodley, d. Philada., Med. Dictionary.

2. Sat. 1870, Magnus, Gustav, d. Berlin, b. 2 May, 1802.



THE PHARMACAL CALENDAR—1892.

APRIL.

30 Days.

- 3 Sun. 1833, Schiff, Hugo, b. Fankfurt a. M., Prof. Chem. Florence.
- 4 Mon: 1822, Siemens, Charles William, b. in Lenthe, Ger., d. 19 Nov. 1883, London.
1888, Luhn, Gustav J., d. Charleston, S. C., A. P. A. Pres. 1878.
- 5 Tues. 1622, Viviani, Vinc., b. Florence, d. 22 Sept. 1703 (Collab. Galileo).
- 6 Wednes. 1523, Vigandère, Blaise de, b. in St. Pourcain, d. 22 Feb. 1599 in Paris. (Discov. Acid Benzoic.)
- 7 Thurs. 1817, Selmi, Franc., b. Vignola, Prof. Chem. Reggio, d. 13 August, 1881, Bologna, Italy.
- 8 Frid. 1818, Hofmann, Aug. With , b. Giessen, Prof. Chem. Berlin, Ger.
- 9 Sat.



THE PHARMACAL CALENDAR—1892.

APRIL.

30 days.

10 Sun. 1755, Hahnemann, Ch. F. S., b. Meissen, d. 2 July,
1843 Paris. (Homeopathy.)

11 Mon. 1890, Brewer, Wm. A., d. So. Orange, N. J., A. P. A.
1853.

12 Tues.

13 Wednes. 1878, Henchman, Daniel, d. Boston, Mass.; Coll.
Ph. Pres.
1875, Wetherell, Geo. D., d. Philadelphia, Coll. Ph.
Org.

14 Thurs. 1629, Huygens, Christ., b. im Haag, d. 8 June .695

15 Frid. 1888, Robbins, Daniel, C., d. New York, W. D.

16 Sat.

THE PHARMACAL CALENDAR—1892.

APRIL.

30 Days.

- 17 Sun. 1737, Parmentier, Ant. Aug., b. Montdidier, d. 17
Dec. 1813 Paris, Physiolog. Chem.
- 18 Mon. 1793, Liebig, Just von, d. in Munich, Ger., b. 13
May 1803 Darmstadt.
19. Tues. 1795, Ehrenberg, Chr. Gottfr., d. 27 July 1876 Berlin,
Ger.
- 20 Wednes. 1889, Warren de la Rue, d. London, Eng., b. 18
Jan. 1815 Guernsey.
- 21 Thurs.
- 22 Frid. 1724, Kant, Immanuel, b. Königsberg, Ger., d.
12 February 1804.
23. Sat. 1812, Millon, N. A. E., b. Châlonssur-Marne, d. 22
October 1867.
1863, Darlington, William, d. Westchester, Pa.,
botanist.

THE PHARMACAL CALENDAR—1892.

APRIL.

30 Days.

24 Sun. 1817, Marignae, J. Ch. de, b. Geneva, Prof. Chem.

25 Mon. 1837, Deyeux, Nie., d. Paris, b. 1745 Paris. (Prof. d. Pharm. a. Chem.)

26 Tues. 1774, v. Buch, Leop., b. Stolpe, d. 1853 Berlin.

27 Wednes.

28 Thurs. 1753, Achard, Franz Karl, b. Berlin, d. 1821 in Schlesien.

29 Frid. 1859, Robiquet, Edmond, d. Paris, Fr., Prof. School Pharm.

30 Sat. 1829, Hochstetter, Ferdin. von, b. Esslingen, d. 1884 Wien (Geolog.).

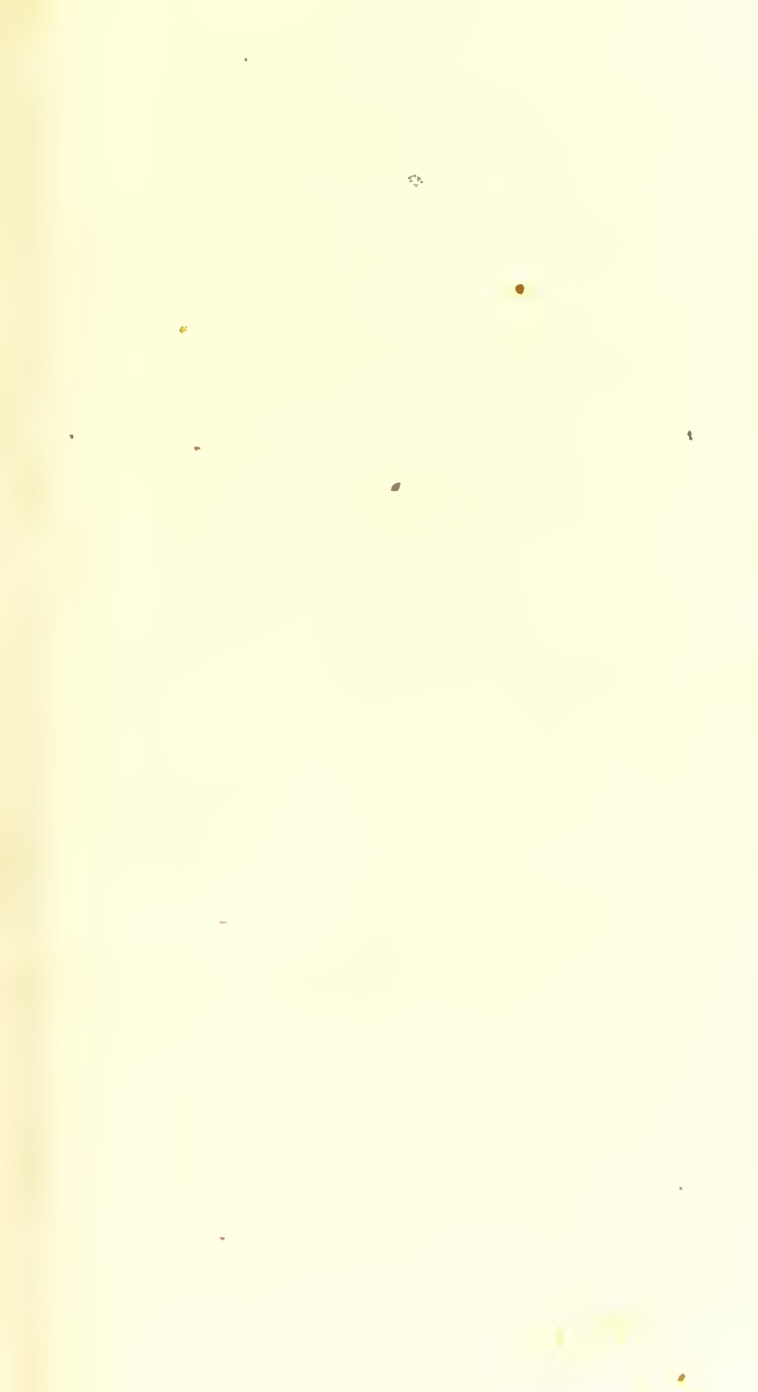


THE PHARMACAL CALENDAR—1892.

MAY.

31 Days.

1. Sun. 1834, Williamson, Alex. Wm., b. London, Prof. Chem.
2. Mon.
3. Tues. 1874, Wm. Procter, Jr., d. Philad; b. 1817, Balto. Prof. Coll. Ph., nestor Am. Pharmacy.
4. Wed. 1777, Thenard, Louis Jacques, b. Louptière, d. 20 June, 1857, Paris.
5. Thurs. 1811, Draper, John, Will., b. Liverpool, Eng., d. 4 Jan. 1883, Hastings on Hudson, New York.
6. Frid. 1859, Humboldt, Fred. Hen. Alex. v., d. Berlin. Ger ; Scientific Explorer.
7. Sat. 1810, Gebe, Franz Ludw., b. Merkwitz, d. 22 Jun. 1882, Dresden, W. Drug.



THE PHARMACAL CALENDAR—1892.

MAY.

31 Days.

8. Sun. 1794, Lavoisier, died on the Guillotine, b. 16 August, 1743, Paris, Fr.

9. Mon. 1876, Buignet, Henry, d. Paris, Fr. Prof. Pharm.

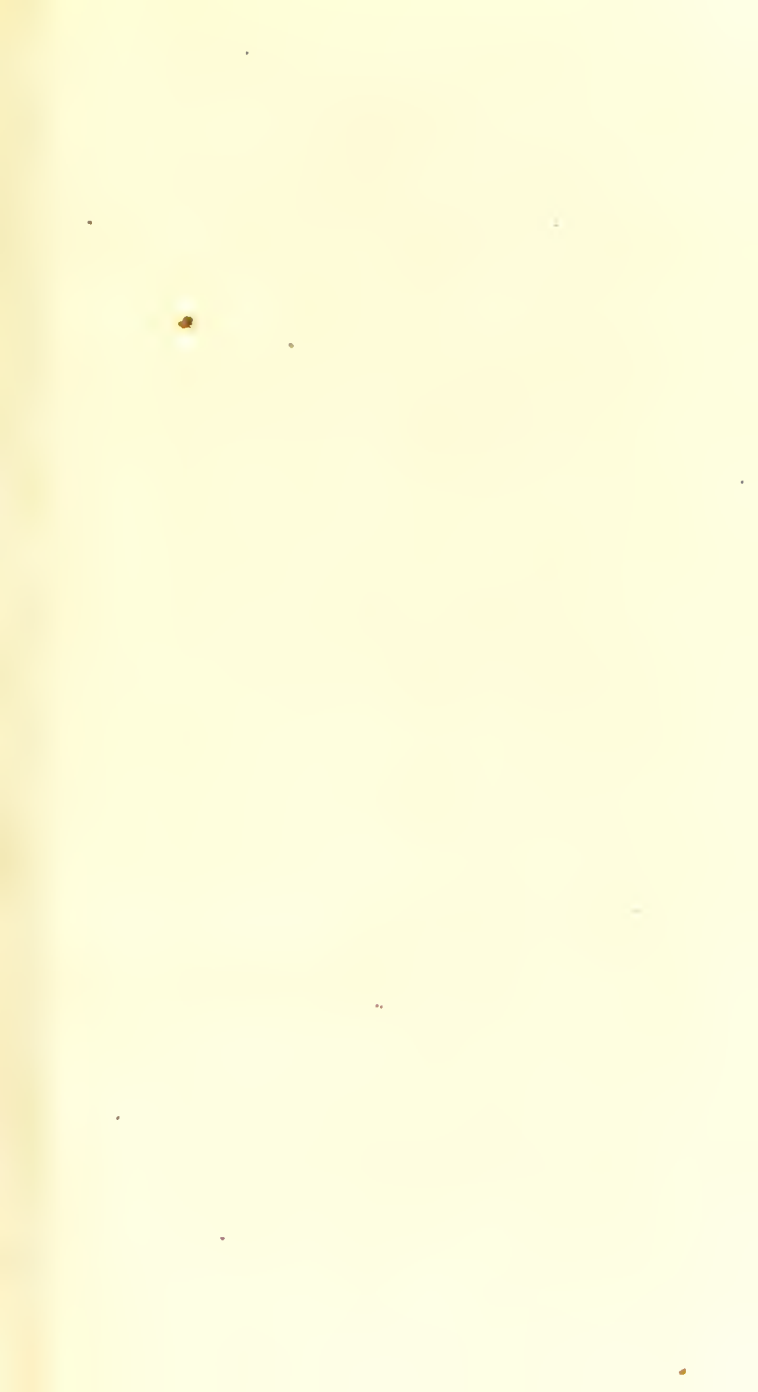
10. Tues.

11. Wed.

12. Thurs.

13. Frid. 1859, Gmelin, Chr., d. Tübingen, Ger. author Handbook.

14. Sat. 1686, Fahrenheit, Gabr. Dan., b. Danzig, d. Sept. 16, 1736, Holland.



THE PHARMACAL CALENDAR—1892.

MAY.

31 Days.

15. Sun. 1858, Hare, Robert, d. Philada., Prof. Chem. Univ. Penn.
16. Mon. 1683, Vauquelin, Louis Nicolas, b. St. André d'Hébertot, Fr., d. 14 Nov. 1829.
1889, Garrigues, S. S., d. Ann Arbor, Mich. (Salt ind).
17. Tues. 1778, Ure, Andrew, b. Glasgow, d. 2 Jan. 1857, London (Dict. of Chemistry).
1875, Hollis, Thos., d. Boston, Mass , Pres. Coll. Ph.
18. Wed.
19. Thurs.
20. Frid.
21. Sat. 1819, Playfair, Sir Lyon, b. Meerut, B ngal, Prof. Chem. London, Eng.

THE PHARMACAL CALENDAR—1892.

MAY.

31 Days.

22. Sun. 1806, Boudet, Felix, Paris, d. 8 April, 1878.

23. Mon.

24. Tues. 1707, Linne, Carl, v. b. Rosehult, Sweden, d. Jan
10, 1778, Upsala.

25. Wed. 1797, Soubeiran, Eug., b. Paris, d. 17 Nov. 1858.
(Pharmac.)
1880, Neergaard, Jno. W., d. New York, Coll. Ph.,
A. P. A.

.

26. Thurs. 1862, Condict, Lewis, d. Morristown, N. J., pres. U.
S. Ph. Convention, 1830.

27. Frid.

28. Sat. 1807, Agassiz, J. L. R., b. Motier, Switzerland, d.
14 Dec. 1873, Harvard College, Boston.



THE PHARMACAL CALENDAR—1892.

MAY.

31 Days.

29. Sun. 1778, Labarraque, A. G., b. Oleron, d. 9 Dec. 1850,
Paris, (L's Solution.)
30. Mon. 1797, Naumann, K. F., b. Dresden, d. 26 Nov. 1873
(Mineralog).
31. Tues. 1822, Edward Parrish, b. Phil. d. 1873.

JUNE.

30 Days.

1. Wed. 1822, Schmidt, Karl, b. Mitau, Prof. Chem. Dorpat,
Russia.
2. Thurs. 1787, Sefstrom, Nils Gabriel, b. Hsbo. d. 30 Nov.
1845, in Stockholm. Dis. Vanadium.
3. Frid. 1805, Shepard, Charles Upham, b. in Mass. Prof
Chem. Charleston.
4. Sat. 1809, Siemens, Karl Georg, b. Pyrmont, d. 27 Sept.
1885, Harzburg.



THE PHARMACAL CALENDAR—1892.

JUNE.

30 Days.

5. Sun. 1760, Gadolin, Joh., b. in Abo, d. 15 Aug. 1852.
Wirno, Finland.
6. Mon. 1840, Claus, A., b. Cassel Prof. Chem. Freiburg.
7. Tues. 1837, Escher v. d. Linth, Arnold, b. Zürich, d. 12
July, 1872.
8. Wed. 1818, Arppe, A. E., b. Rindes, Prof. Chem. Helsing-
fors, Finland.
9. Thurs. 1776, Avogadro, Amadeo, Conte di Quaregno e
Ceretto, b. Turin, d. 9 July, 1856.
10. Frid. 1869, Berard, J. E., d. Montpellier, Fr. Prof. Chem.
School Phar.
11. Sat. 1294, Roger, Baco, d. Oxford, b. 1214, Hechester, Eng.
Astronom. and Alchemist "Doctor mirabilis."



JUNE.

30 Days.

12. Sun. 1859, Bell, Jacob, d. Eng., Ph. Soc. Gr. Britain.
Ed. Ph. Journ. and Trans.
1858, Brown, Robert, d. Soho, Eng., Botanist.
13. Mon.
14. Tues. 1862, Deschamps, M., d. Avallon, Fr. Pharm.
15. Wed. 1829, Weber, Rud., b. Halberstadt, Prof. Chem.
Berlin. Ger.
16. Thurs. 1864, Weyman, Geo. W., d. Pittsburg, Pa. Chemist.
17. Frid. 1788, Schumann, Gotth. Daniel, b. Esslingen.
18. Sat. 1818, Smee, Alfred, b. London, (Electrochem.)



THE PHARMACAL CALENDAR—1892.

JUNE.

30 Days.

19. Sun. 1811, Matteucci, C., b. Forli, Prof. in Pisa, Italy.
20. Mon. 1871, Schaeht, Dr., d. Berlin, Ger. Pharm.
21. Tues. 1792, Gaultier de Claubry, b. Paris, d. 4 July, 1878.
22. Wed. 1882, O'Gallagher, Jas., d. St. Louis, Coll. Ph ; A.
P. A.
23. Thurs. 1775, Malus, Etienne Louis, b. Paris, d. 23 Febr.
1812 (Discov. Polarization).
24. Frid. 1858, Gregory, Wm., d. Edinburgh, Scot. Prof.
Chem.
25. Sat. 1814, Daubrée, Gabriel, Aug., b. Metz, Prof. Min-
eralog, Paris, Fr.



THE PHARMACAL CALENDAR -1892.

JUNE.

30 days.

26. Sun.

27. Mon. 1829, Smithson, J. L. Macle, d. Genoa, (Mineralog
Chem.; Smithsonian Institution, Washington, D. C.

28. Tues. 1839, Maly, Richard, b. Graz, d. 1891, Prague
Bohem.

• 29. Wed. 1818, Secchi, Angelo, b. Reggio, Prof. Collegi
Romano, d. 26 Febr. 1876, Rome. (Spectra
analysis.)

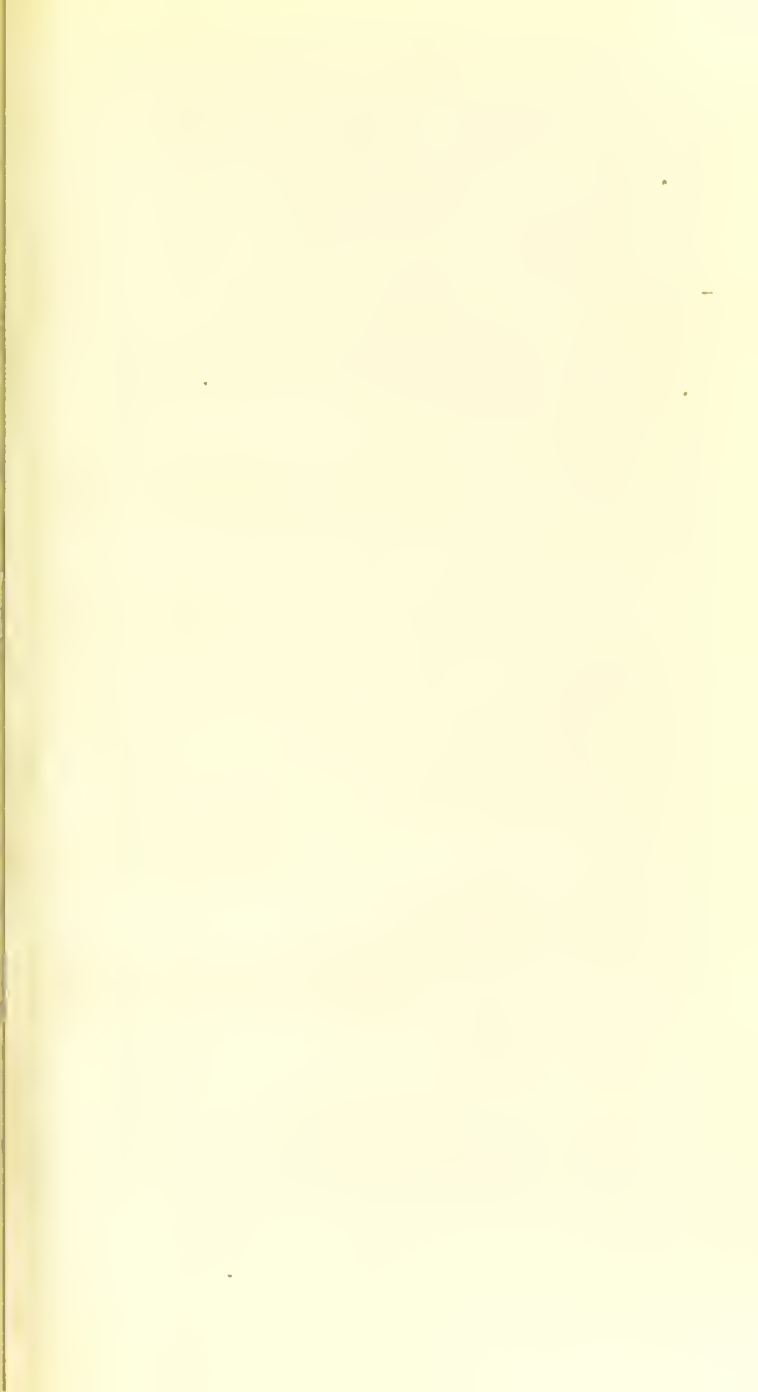
30. Thurs. 1826, Willigk, Erwin, Jul., b. Prag, d. 9 Jan. 1887.

JULY.

31 days.

1. Frid. 1818, Vierordt, Carl, b. in Lahr, d. 22 Novr. 1885
Tübingen. (Physiolog.)

2. Sat. 1885, Fehling, Hermann von, d. Stuttgart, b.
June, 1812, Lübeck, Ger.



THE PHARMACAL CALENDAR—1892.

JULY.

31 days.

3. Sun.

4. Mon. 1825, Lehmann, Jul. Al., b. Dresden. (Agriculture & Chem.)

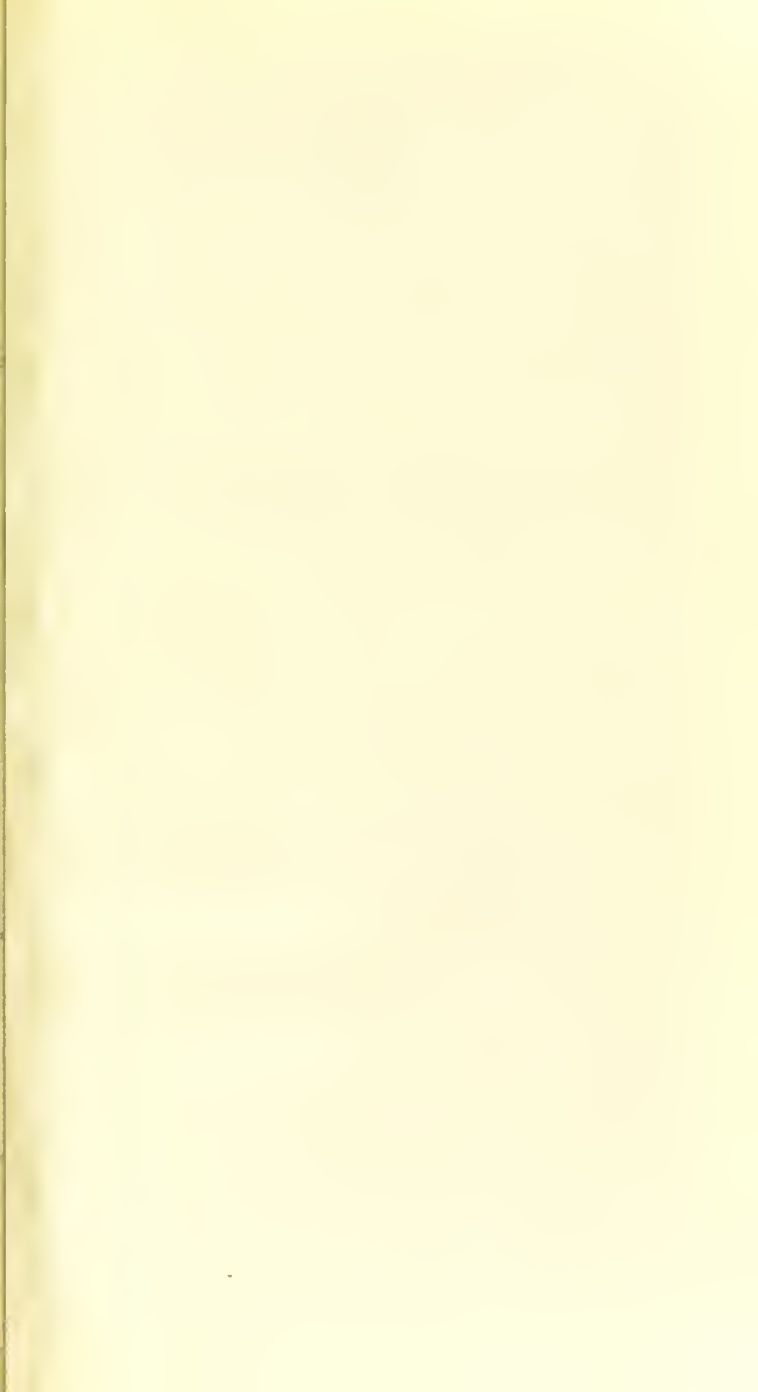
5. Tues.

6. Wednes.

7. Thurs.

8. Frid. 1810, Valentin, Gabr. Gustav, b. Breslau, d. 24 M.
1883, Bern. (Physiol.)

9. Sat. 1851, Daznerre, Louis Jacques Mandé, d. Paris
1798, Corneilles.



THE PHARMACAL CALENDAR—1892.

JULY.

D31 ays.

10. Sun.

11. Mon.

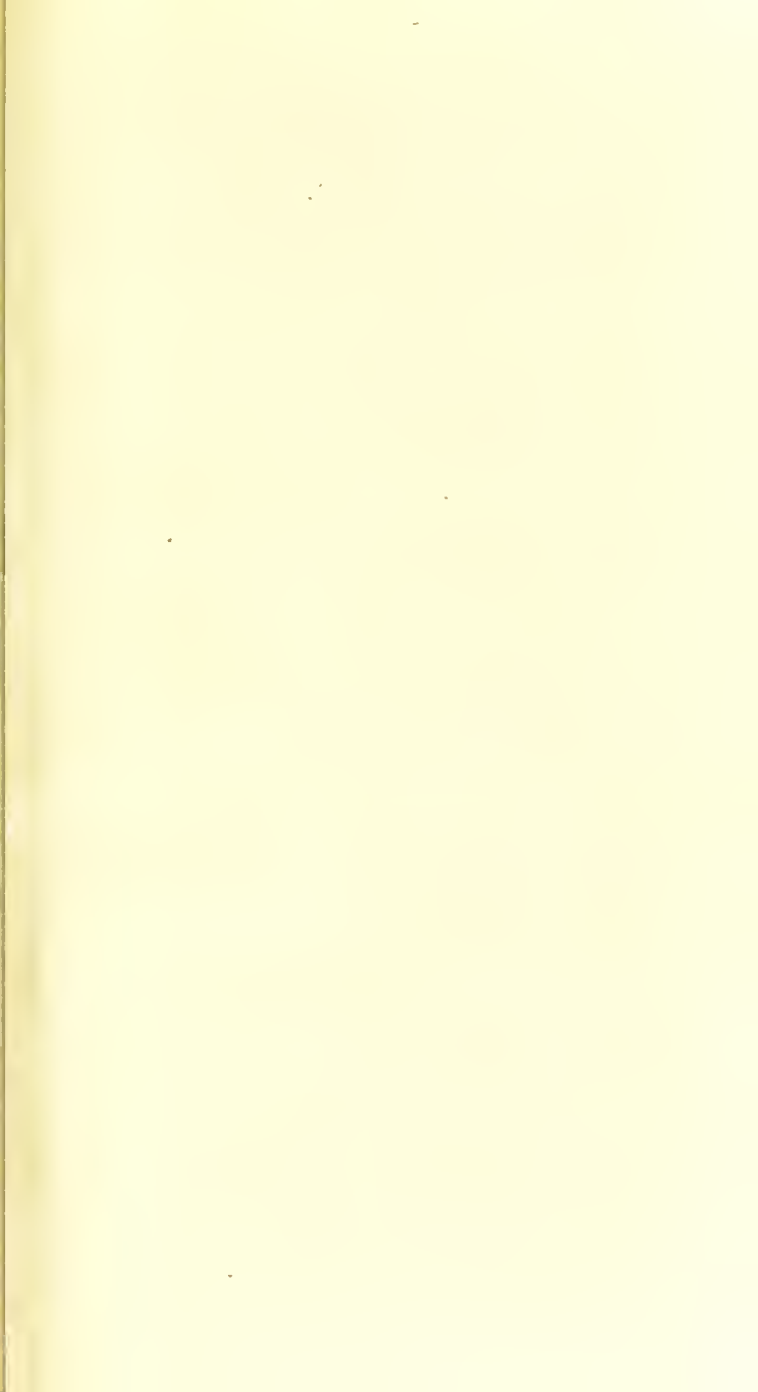
12. Tues. 1732, Wedgwood, Josiah, b. Burslem, Eng., d. 3
Jan. 1795, Etruria.

13. Wednes.

14. Thurs. 1800, Dumas, Jean Baptiste, b. Alais, Fr., d. 11
April, 1884, Cannes.
1772, Smith Daniel B., b. Philadæ., d., first pres. A.
P. A. 1852.

15. Frid.

16. Sat.



THE PHARMACAL CALENDAR—1890.

JULY.

31 Days.

17. Sun. 1877, Husemann, Aug., d. Thusis, Switz., Pharmacologist.
18. Mon. 1874, Murray, Carlos, d. Buenos Ayres, A. R.; Pharm.
19. Tues. 1783, Sertürner, Fr. Wilh. Adam, b. Neuhaus Ger. d. 20 Febr. 1841. (discov. morphine).
20. Wed. 1855, Landerer Francis, X-, d. Athens, Greece, Pharm. Author.
21. Thurs. 1810, Regnault, Henri Victor, b. Aachen, d. 19 Jan 1878, Paris.
22. Frid. 1766, Hope, Th. Ch., b. Edinburgh, d. 13 June, 1841, discov. Strontium.
23. Sat. 1813, Buchner, L. A., b. Munich, Prof. Pharm



THE PHARMACAL CALENDAR—1892.

JULY.

31 Days.

24. Sun.

25. Mon. 1616, Libavius, Andreas, d. Coburg, b. Halle. (Spiritus fumans Libavii.)

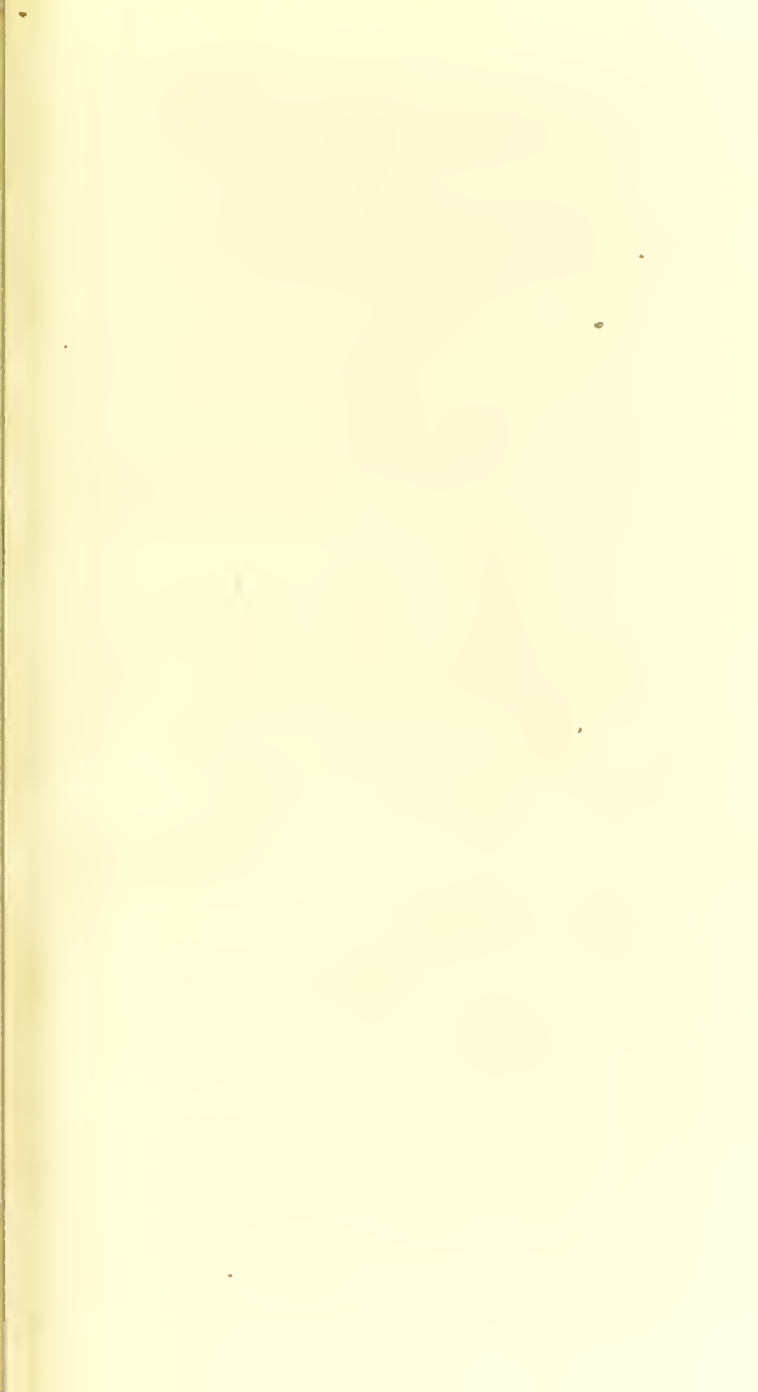
26. Tues.

27. Wed. 1811, Young, James, b. Glasgow, d. 13 May, 1883, Kelly. (Paraffin-Ind.)

28. Thurs.

29. Frid. 1635, Kirchmaier, Georg Caspar, b. Uffenheim, d. 28 Sept. 1700, Wittenberg ("De phospho.o," etc.).

30. Sat. 1841, Tollens, Bernh. b. Hamburg, Prof. Chem. Göttingen, Ger.



THE PHARMACAL CALENDAR—1892.

JULY.

31 Days.

31. Sun. 1870, Wöhler, Friedr., b. Frankfurt, A. M., d. 23.
Sept. 1882, Göttingen.

AUGUST.

31 Days.

1. Mon. 980, Avicenna, b. Charmatin, d. 1037, Persia (Trac-
tatus de alchymia, etc.)

2. Tues. 1788, Gmelin, Leopold, b. Göttingen, d. 13 April,
1853, in Heidelberg (Handbook).

3. Wed.

4. Thurs.

5. Frid. 1766, Wollaston, Will, Hyde, b. East-Derham,
Eng. d. 22 Decemb. 1828, London (discov. Pd.
and Ru).

6. Sat. 1795, Rose, Heinr., b. Berlin, d. 27 Jan. 1864.



THE PHARMACAL CALENDAR—1892.

AUGUST.

31 days.

7. Sun. 1802, Hess, Germain Henri, b. in Geneva, d. 30 Nov.,
1850, in St. Petersburg, (Thermoechem).

8. Mon 1818, Schweizer, Matth. Ed., b. Wyl, d. 23 Oct.,
1860, Zürich (Schwüsch's Reagent).
1803, Martin, Stanislaus, b.; d. 1886, Par's, Soc. Phar.

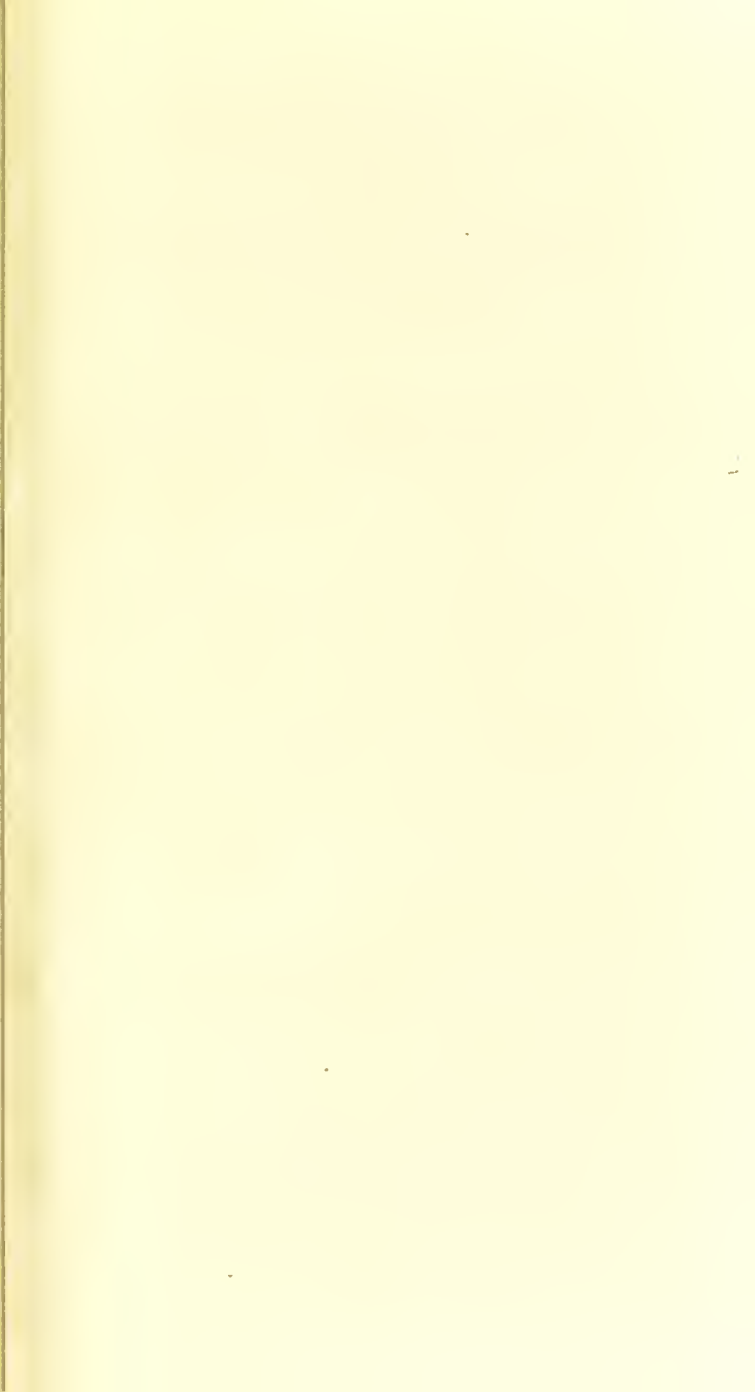
9. Tues.

10. Wed. 1673, Dippel, J. Conr., b. Frankenstein, d. 25 April,
1734, Ger. (Oleum animale Dippelii).

11. Thurs.

12. Frid. 1672, Targioni, Cipriano Antonio, b. Florence, d.
23 April, 1748, (first to burn a diamond).

13. Sat. 1814, Angström, Anders Jonas, b. Medelpad, d. 21
June, 1874, Upsala, Sweden.



THE PHARMACAL CALENDAR—1892.

AUGUST.

31 days.

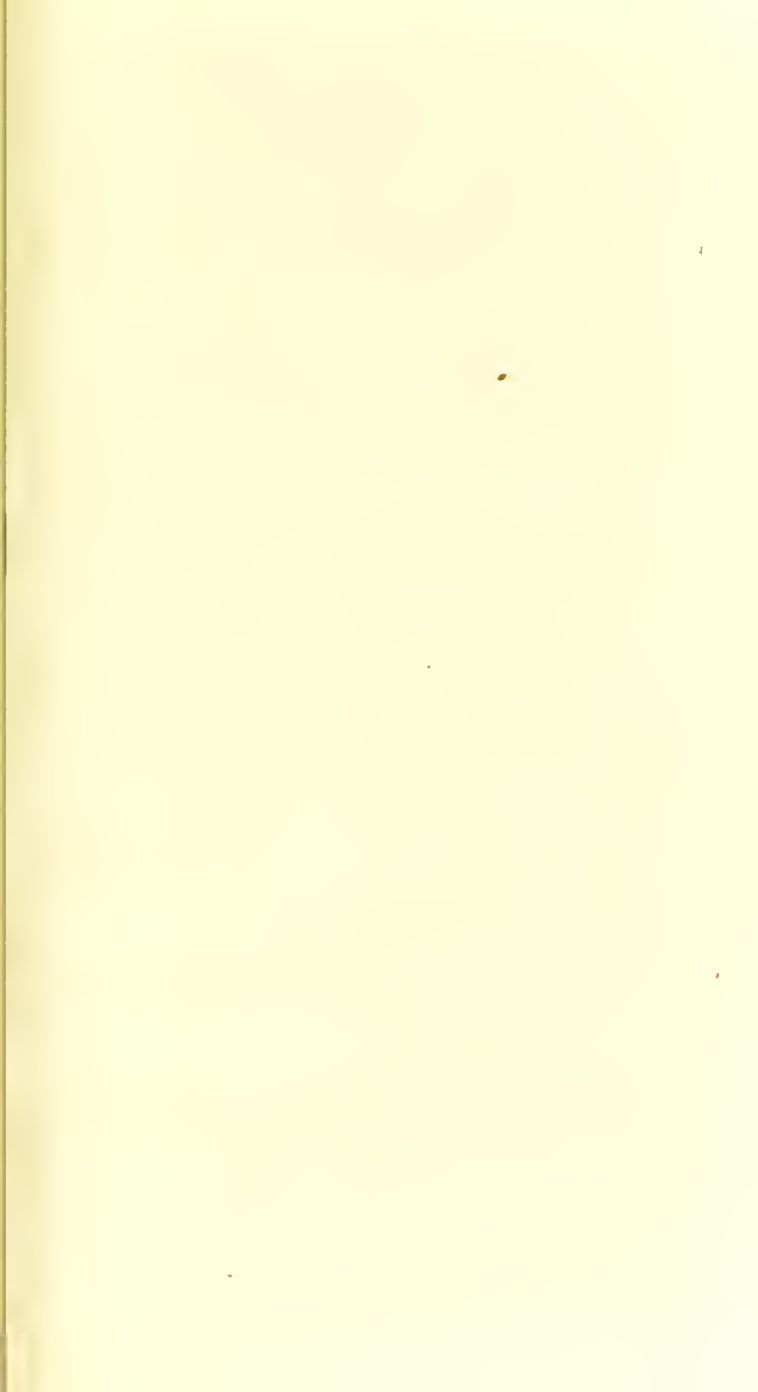
14. Sun. 1777, Oersted, Hans Christ., b. Rudkjöbing, d. 1851,
Copenhagen.
1873, Durand, Elias, d. Phila. Coll. Ph., pres.
15. Mon. 1794, Fries, Elias Magnus, b. Femsjö, Sweden, d.
8 February, 1873 (Botan).
16. Tues. 1743, Lavoisier, Ant Laurent., b. Paris, d. 8 May,
1794.
17. Wed. 1885, Muth, Jno. P., d. Baltimore, W. D.
18. Thur.
19. Frid 1856, Gerhardt, K. J., a. Strassburg, b. 21 Aug. 1816.
20. Sat. 1820, Tyndall, John, b. Dublin, Prof. Phys. in Lon-
don.
1887, Bakes, Wm. C., d. Phila. Coll. Ph.; alumni.



AUGUST

31 days.

21. Sun. 1786, Chevreul, Mich. Eug., b. Angers. Fr., Prof. in
Paris, d. 9 April, 1889; 103 years old.
1855, Parsons, Henry B., d. Ariz., Univ. Mich., U.S.
Agr. Dept. Wash.
22. Mon. 1867, Guibourt, A., d. Paris, Fr., Pres. Soc. Phar.
23. Tues.
24. Wed.
25. Thurs. 1867, Faraday, Michael, d. England, chemist.
26. Frid. 1879, Poggiale, Antoine B., d. Belloc, Fr., Phar.
Soc., Paris, Pres.
27. Sat.



AUGUST.

31 days.

28. Sun. 1749, Goethe, Joh. Wölg., b. Frankfurt, d. 22 March, 1832, Weimar, Ger.

29. Mon. 1779, Berzelius, Jöns Jacob, b. Vestersunda, d. 7 Aug., 1848, Stockholm, Sweden.

30. Tues. 1785, Geiger, Ph. L., b. Freinsheim, d. 19 Jan. 1836, Heidelberg, Ger.

31. Wed. 1821, Helmholtz, Herm. von, b. in Potsdam, Prof. Phys., Berlin.

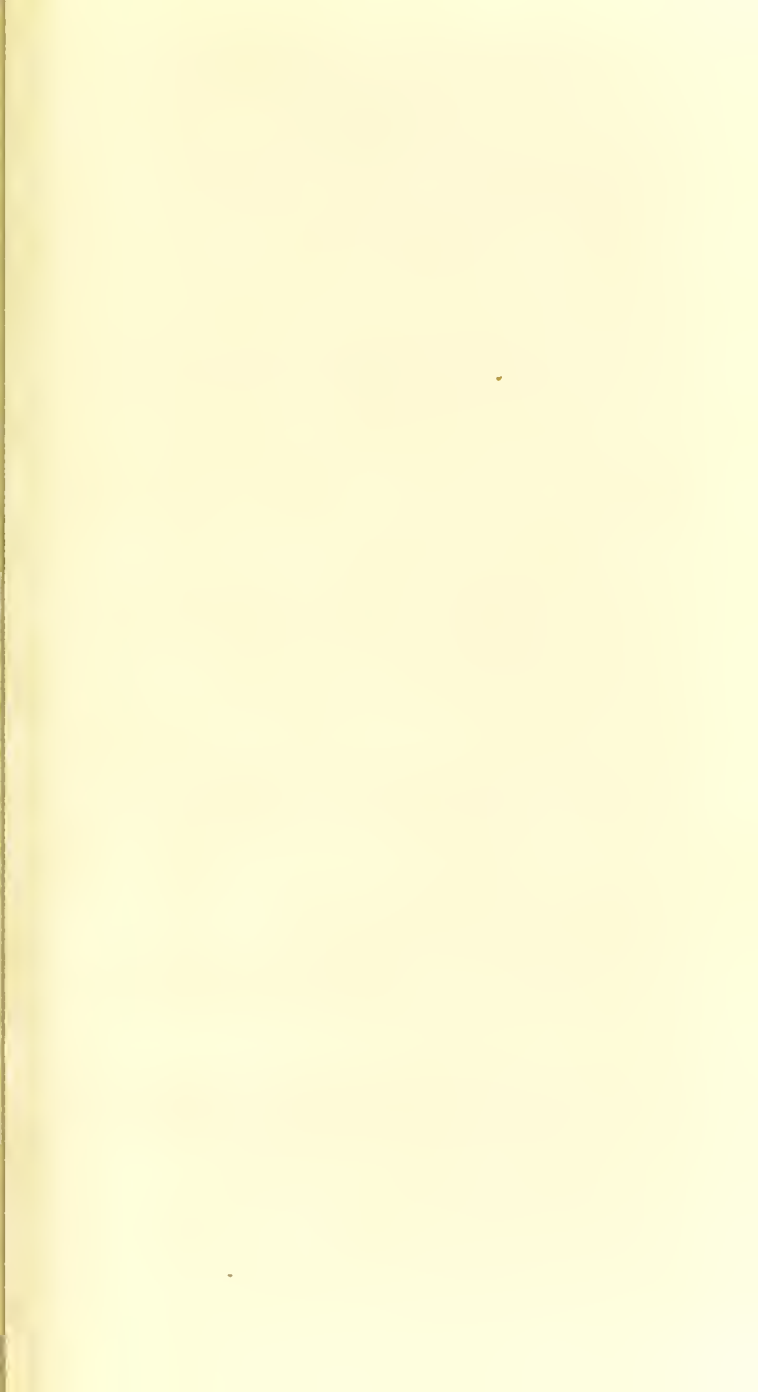
SEPTEMBER.

30 days.

1. Thurs.

2. Fri.

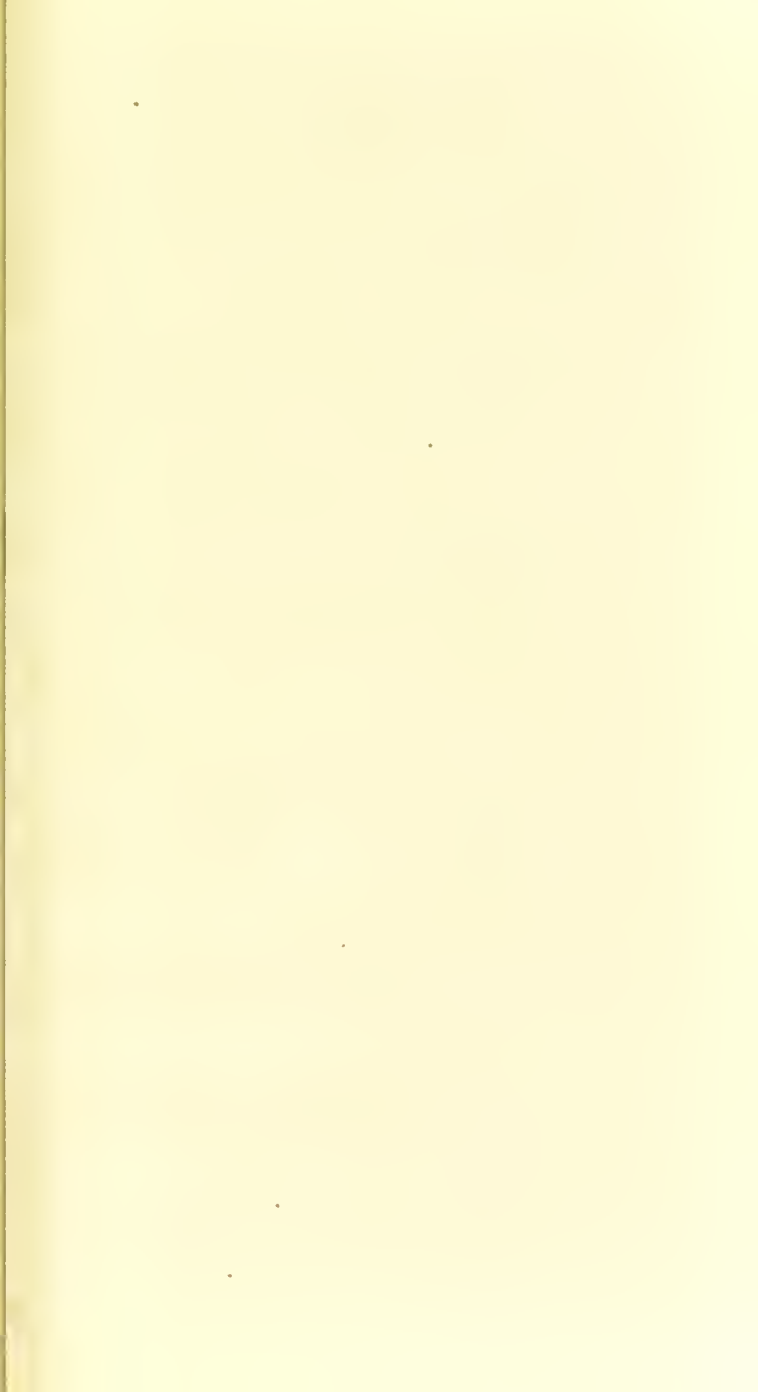
3. Sat.



SEPTEMBER,

30 Days.

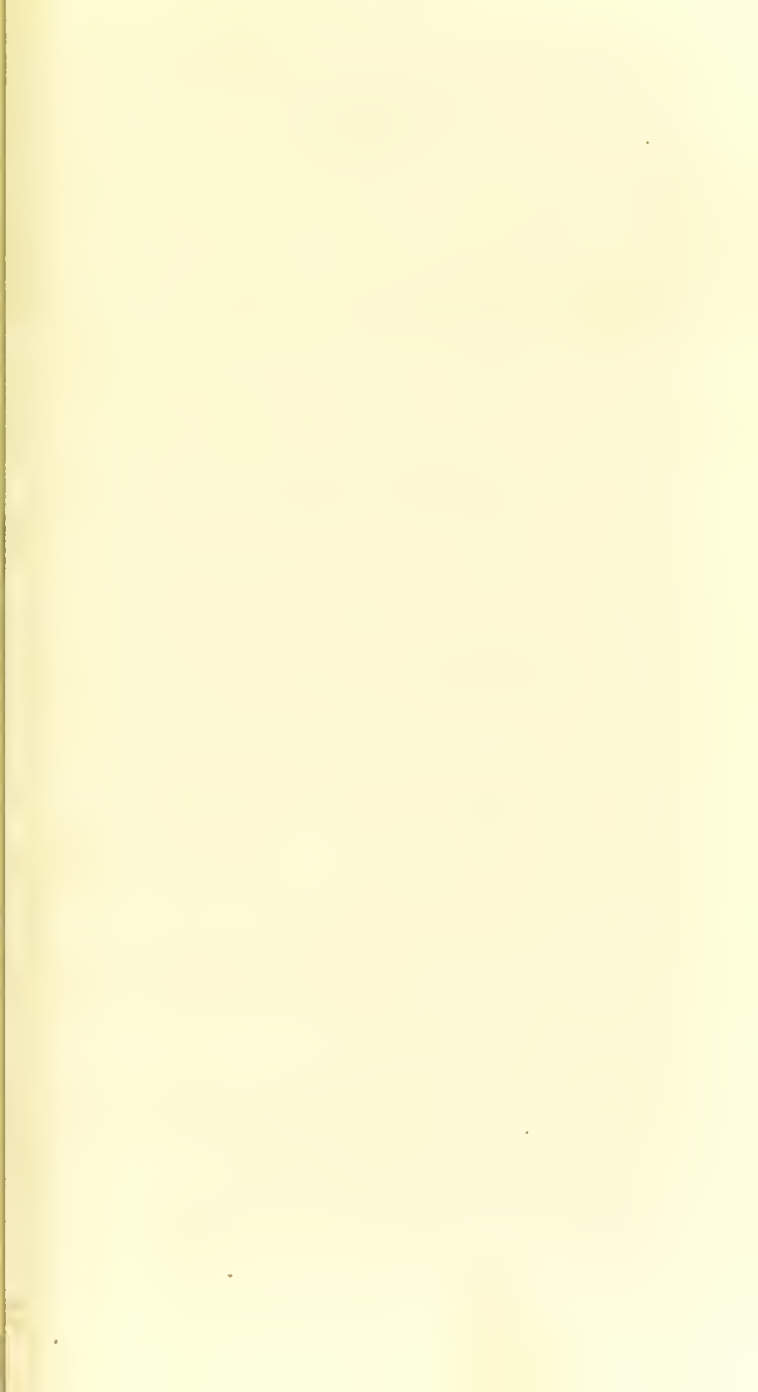
4. Sun. 1868, Schoenbein, Chr. F., d. Baden, Ger., discov. Ozone, Gun Cotton.
5. Mon. 1766, Dalton, John, b. Eaglesfield, Eng., d. 27 July 1844, Manchester, Origin. Atomic Theory.
6. Tues.
7. Wed. 1829, Kékulé, Fr. Aug., b. Darmstadt, Prof. Chem. Bonn., Ger.
1872, Brough, Jno. C., d. Estee, Eng.; ed. Chem. and Drug.
8. Thurs. 1848, Meyer, Victor, b. Berlin, Prof. Chem. Heidelberg, Ger.
9. Fri. 1737, Galvani, Luigi, b. Bologna, Italy, d. 4. Dec. 1798.
10. Sat. 1797, Mosander, b. Calmar., Prof. Chem., Stockholm, d. 15 Oct., 1858 (discov. La., Di., Er., Tb.)
1859, Nuttall, Thos., d. Eng., botanist.



SEPTEMBER.

30 Days.

11. Sun. 1782, Trolle-Wachmeister, H. G., b. Stockholm.
(Mineralog.)
12. Mon. 1887, Lincoln, Henry W., d. Boston, Mass., Coll.
Phar., A. P. A.
877, Andrews, Geo. W., d. Balto., A. P. A., Pres.
13. Tues. 1859, Jobst, Fred'k., v., d. Stuttgart, Ger., manuf.
Alkaloids.
1882, Kiersted, H. T., d. New York, Coll. Pharm.
14. Wed.
15. Thurs. 1775, Geblen, A. F., b. Butow, d. 15 July, 1850,
Munich, poisoned by Arseniuretted hydrogen.
16. Fri. 1876, Gaither, Frances S., d. Washington, D. C.;
Prof. Nat., Coll. Pharm.
17. Sat. 1886, Parrish, Dillwyn, d. Philada., Coll. Ph. Pres.,
1869-'85.



SEPTEMBER,

30 Days.

18. Sun.

19. Mon. 1872, Parrish, Edward, d. Ft. Sill, Ind. Ter.. U. S.
Peace. Ind. Com's.; Phila. Coll. Pharm. Prof.;
Pract. Pharm.

20. Tues. 1646, Schroeck, Lucas, b. Augsburg; author
Pharmacopœa augustana, 1673; d. 9 Jan. 1730.

21. Wed. 1813, Stas. Jean Servais, b. Löwen, Prof. Chem.
Brussel Belg.

22. Thurs. 1791, Faraday, Michael, b. London, d. 25 Aug.
1869, London.

23. Fri. 1882, Wöhler, Friedr., d. Göttingen, b. 31 July,
1800.

24. Sat. 1811, Trommsdorff, C. W. H., b. Erfurt, d. 3 July,
1884 (Pharm.)



SEPTEMBER,

30 Days.

25. Sun. 1798, Beaumont, Elie de, b. Canon, Fr.: 21 Sept.
1874.

26. Mon.

27. Tues. 1818, Kolbe, Herm., b. Göttingen, d. 25 Nov. 1884,
Leipzig, Ger.

28. Wed. 1879, Mohr, Car. Fr., d. Prof. Univ. Bonn, Ger.
1884, Fennel, Adolphus, d. Cincinnati; Prof. Coll.
Pharm.

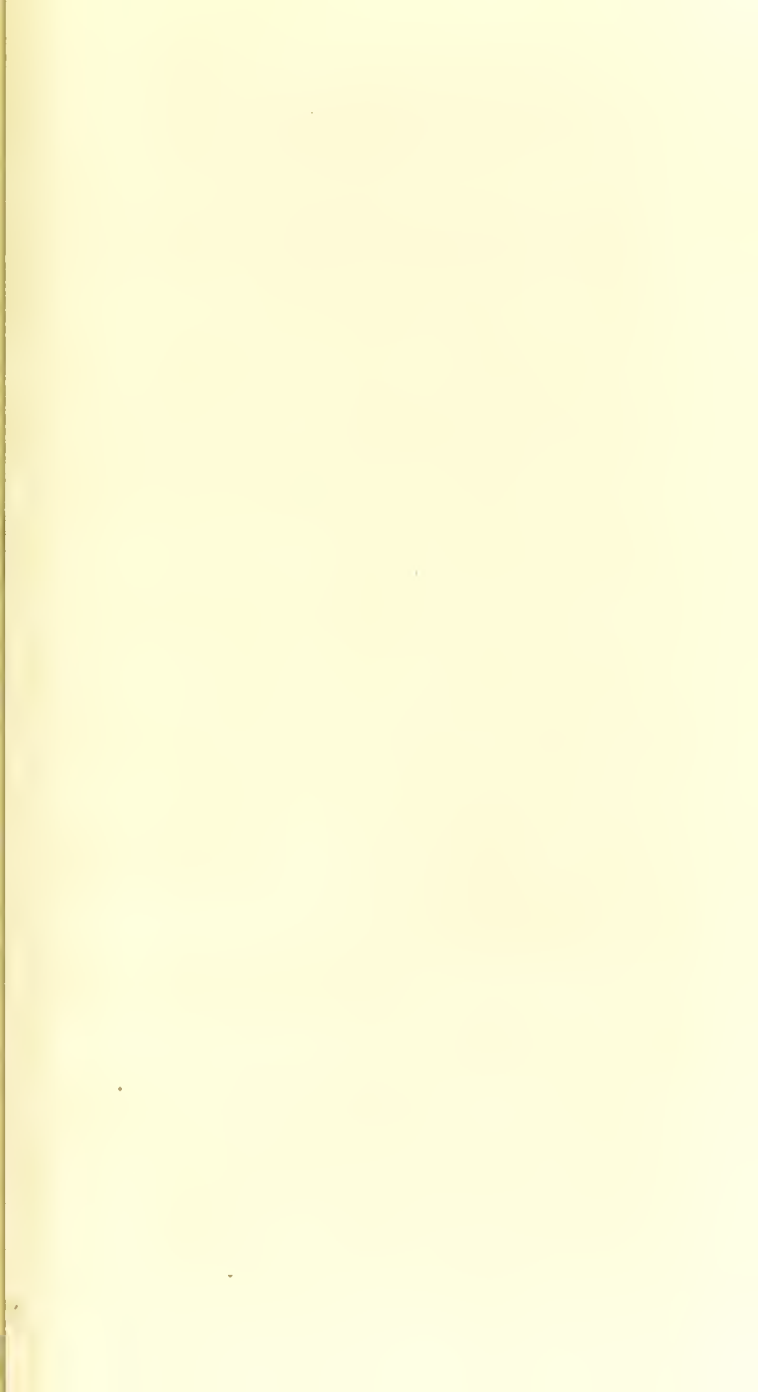
29. Thurs. 1838, Courtois B., d. Paris, b. 1777, Dijon (discov.
Iodine, 1812.)

30. Fri. 1802, Balard, Ant. Jér., b. Montpellier, d. April,
1876, Paris. (discov. Bromine, 1826.)

OCTOBER,

31 Days.

1. Sat. 1838, Tennant, Charles, b. in Glasgow, d. 1757.



THE PHARMACAL CALENDAR—1892.

OCTOBER.

31 Days.

2. Sun. 1826, Cahours, Aug. André Thom., b. Paris, Prof. Chem.; d. 16 March, 1891.

3. Mon. 1889, Buck, Geo., d. Chicago, Coll. Pharm., Ills. P. B., Assoc.

4. Tues.

5. Wed.

6. Thurs. 1870, Matthiessen, Augustus, d. Ger.; discov. Apomorphine.

7. Fri.

8. Sat.



THE PHARMACAL CALENDAR—1892.

OCTOBER.

31 Days.

9. Sun. 1888, Duflos, Adolf F., d. Saxony, Prof. Univ.
Halle, Ger.

10. Mon. 1731, Cavendish, Henry, Lord, b. Nizza, d. 24 Feb.,
1810, London.
1874, Chapman, Wm B., d. Cincinnati, Prof. Coll,
Ph., A. P. A., Pres.

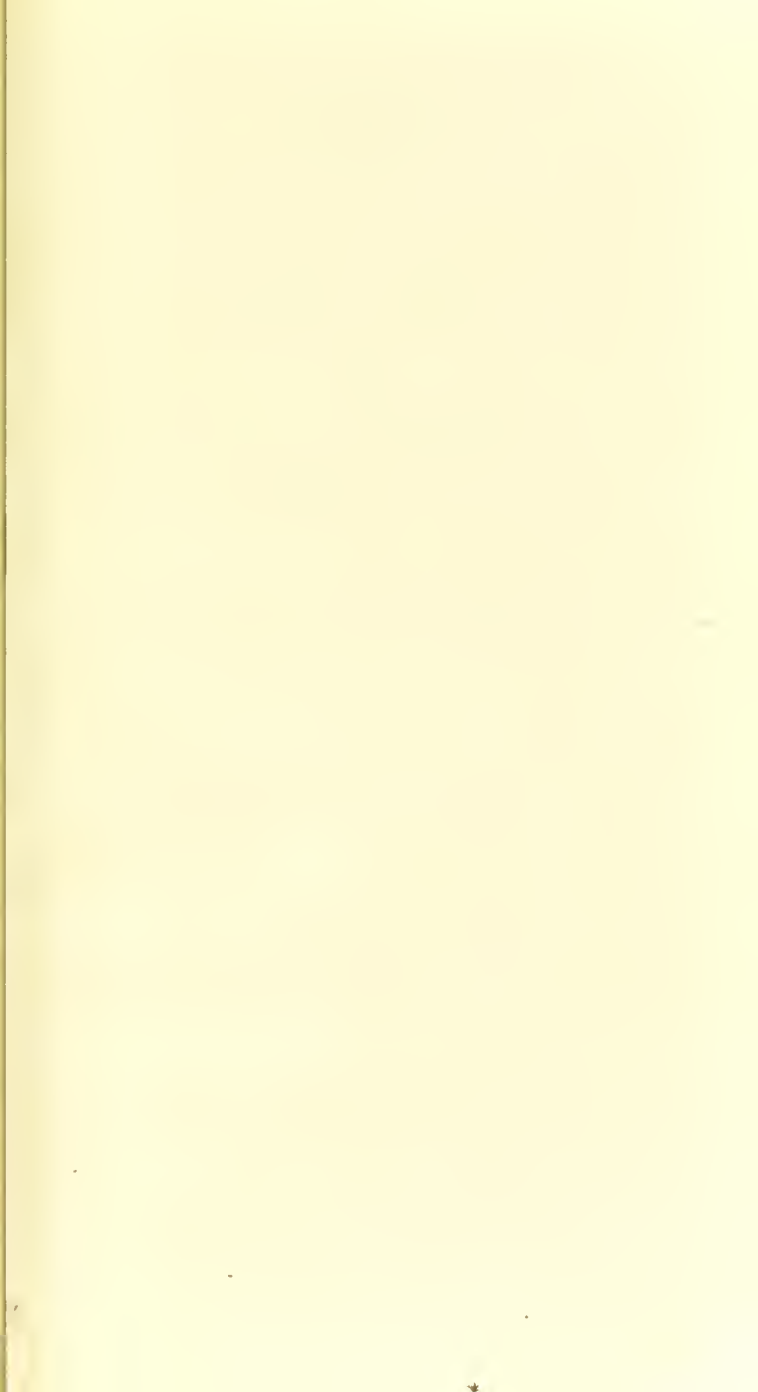
11. Tues.

12. Wed. 1808, Pile, Wilson H., b. Philada., d. 1881, manufac.
hydrometers.

13. Thurs. 1806, Unverdorben, Otto, b. Dahme, d. in Oranien-
burg (Crystallin-Anilin 1826).

14. Fri.

15. Sat.



OCTOBER.

31 Days.

16. Sun.

17. Mon. 1863, Meakin, Jno., d. New York, Coll. Ph. Pres.

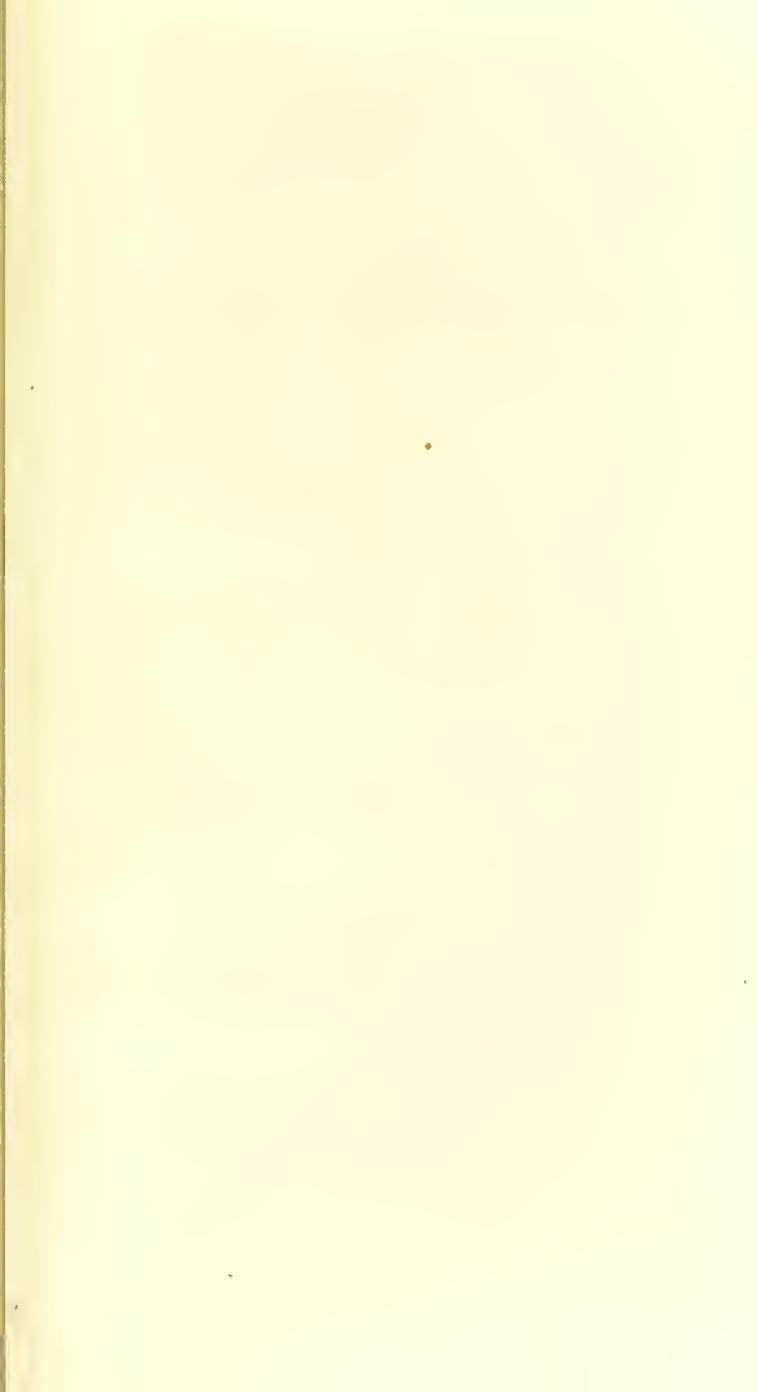
18. Tues. 1795, Brandes, Rud., b. Salzuffeln, d. 1824 (Alkaloids).

19. Wed. 1875, Wheatstone, Charles, d. Paris, b. 1802, Gloucester.

20. Thurs. 1719, Gravenhorst, John Heinr., b. Brunswick, Ger. d. 14 April, 1781 (first manufac'r of Ammonia.)

21. Frid. 1660, Stahl, Georg Ernst, b. Anspach, d. 14 May, 1734, Berlin (Phlogiston).

22. Sat. 1877, Boyden, Ashel, d. Boston, Mass., Coll. Ph., Pres.



OCTOBER.

31 Days.

23. Sun.

24. Mon. 1873, Calvert, C. F., d. England (Phenol).

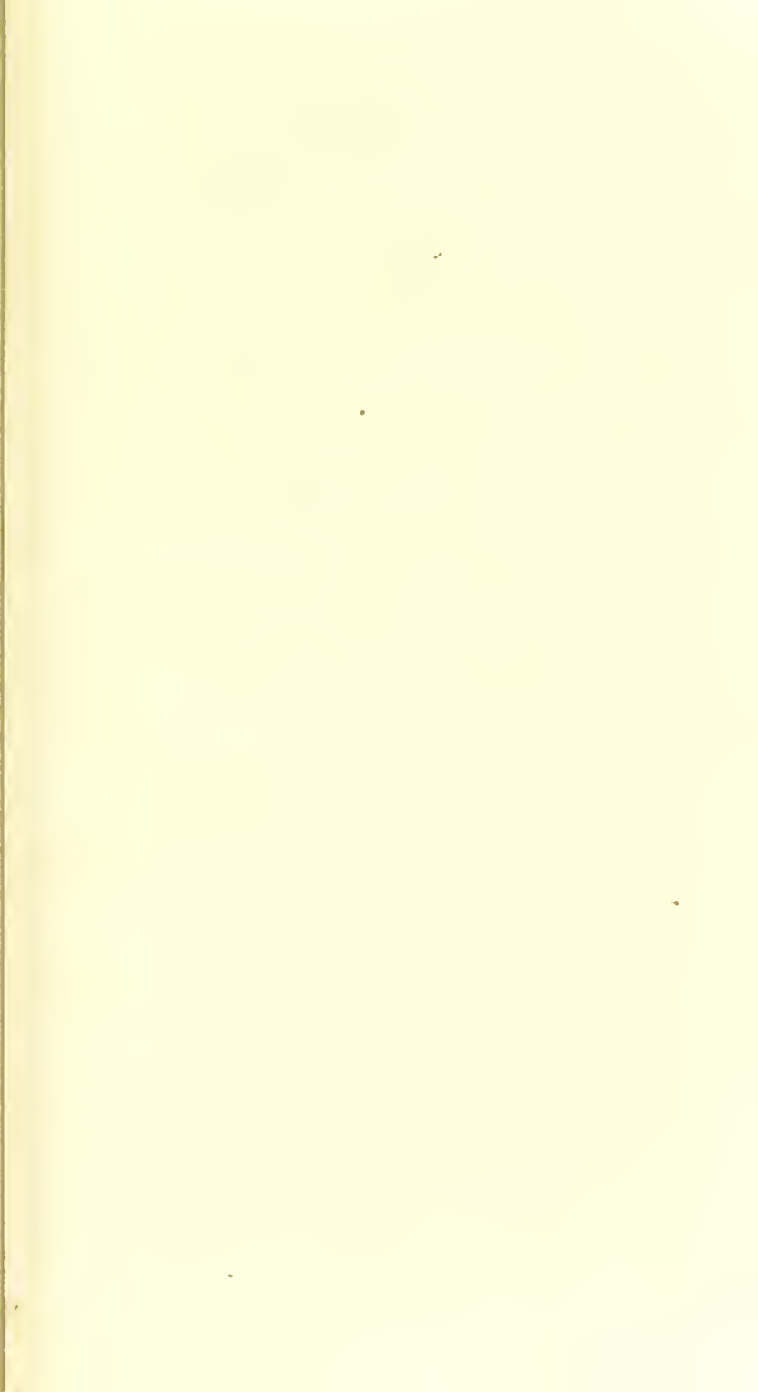
25. Tues. 1811, Miquel, Fr. Ant. Wilh., b. Neuenhaus, d. 28
Jan. 1871, Utrecht, Prof. Botany.

26. Wed.

27. Thurs

28. Fri. 1888, Carle, Jno., d. New York, Coll. Ph., W. D.

29. Sat. 1827, Berthelot, Marcellin Pierre, b. Paris.



OCTOBER.

31 Days.

30. Sun. 1817, Kopp, Herm., b. Hanau, Prof., Heidelberg,
Ger.

31. Mon. 1834, Borodin, Alex. Portfirewitsch, b. in St. Peters-
burg, d. 15 Feb., 1887.

NOVEMBER.

30 Days.

1. Tues. 1870, Boullay Pierre, d. Paris Fr., discov. Picro-
toxin.
1875, Ibarra Joaquin, d. Merida, Yucatan, Prof.
Pharm.

2. Wed.

3. Thurs.

4. Fri. 1806, Mohr, Carl, Fr., b. Coblentz, Ger.

5. Sat. 1874, Rochleder, Fr., d. Vienna, Prof. Pharm. Univ.
1860, Klotzsch, Jno. Fr., d. Berlin, Ger., Prof. Bot-
any and Chem.



NOVEMBER.

30 Days.

6. Sun. 1771, Senefelder, Alois, b. Prag, d. 26 Febr. 1834,
Munich, discov. Lithography.

7. Mon. 1818, du Bois-Reymond, Emil, b. Berlin, Prof. Phy-
siology.

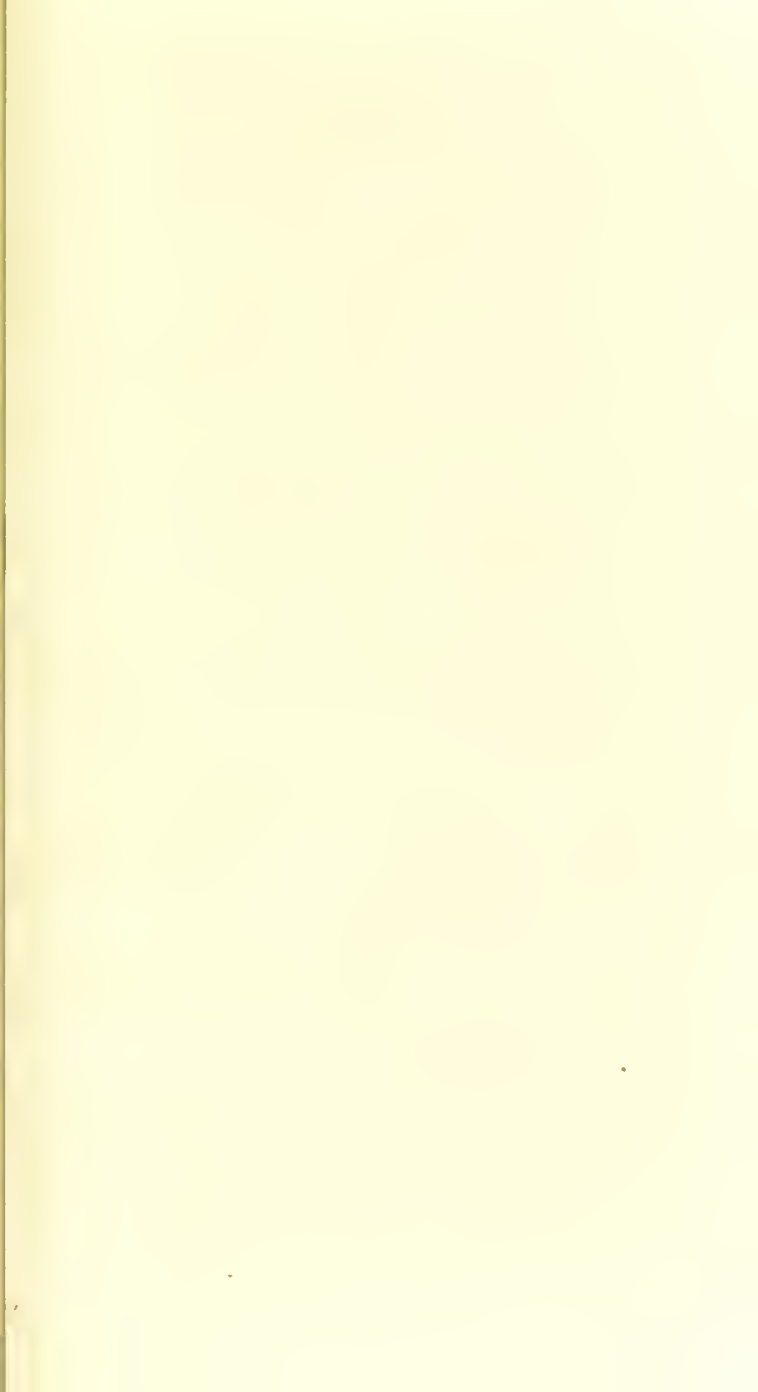
8. Tues.

9. Wed. 1748, Berthollet, Claude Louis, b. Anneey, Fr., d.
6 Nov. 1822.

10. Thurs. 1866, Fremy, Ed. F., d. Versailles, Fr., Pharm. and
Chem.

11. Frid.

12. Sat.



THE PHARMACAL CALENDAR—1892.

NOVEMBER.

30 Days.

13. Sun. 1822, Robiquet, H. E., b. Paris, d. 19 April, 1860.
(Pharmac. Chem.)
14. Mon. 1817, Laurent, Auguste. b. La Folie, d. 15 April,
1853, Paris.
15. Tues. 1280, Albertus Magnus, d. Köln, b. 1205, Lauingen,
Dominicaner ("De rebus metallicis et mineral-
ibus.")
16. Wed. 1818, Maumené, Ed. Jul., b. Paris, Prof. Reims.
1872, Casselman, Chr., d. St. Petersburg, Rs., Ed.
Pharm. Journ.
17. Thurs. 1770, Woodhouse, James, b. Philadelphia, Prof.
Chem. d. 4 June, 1809.
1858, Soubeiran, M. d. Paris, Fr., Chem.
18. Frid. 1886, Troth, Sam'l F., d. Philadelphia, Coll. Ph.,
member 64 years.
19. Sat.



THE PHARMACAL CALENDAR—1892.

NOVEMBER.

30 Days.

20. Sun. 1602, Guericke, Otto v., b. Magdeburg, d. May 11, 1686.
21. Mon. 1816, Plantamour, Phil., b. Geneva, Prof. Chem.
22. Tues.
23. Wed.
24. Thurs. 1820, Karsten, G., b. Berlin, Prof. Physics in Kiel, Ger.
25. Frid. 1814, Mayer, Jnl. Rob., b. Heilbronn, d. 20 March, 1878.
26. Sat. 1799, Black, Jos., d. Edinburgh, b. 1728, Bordeaux. Prof. Chem. Edinburgh, discov. latent heat of steam.
1866, Berg, Otto Carl, d. Ger., Author Pharm. Botany.

THE PHARMACAL CALENDAR—1882.

NOVEMBER.

30 Days.

27. Sun. 1701, Celsius, Anders, b. Upsala, Sweden, d. 25 April, 1744
28. Mon. 1801, Winkler, F. L., b. Heringen. (Pharm. Chem.)
29. Tues. 1826, Struve, Heinr., d. Lausanne, b. 1751, Prof. Chem. (artif. mineral water).
30. Wed. 1761, Tennant, Smithson, b. Wensleydale, Eng., Prof. Chem. Cambridge, d. 22 Febr 1815, Boulogne (discov. Osmium Iridium.)
1879, Chevallier, J. B. Alphonse, d. Paris, Prof Pharm.

DECEMBER.

31 Days.

1. Thurs. 1743, Klaproth, M. H., b. Wernigerode, d. 1 Jan. 1817, Berlin. (Discov. Uran. Cer. Zircon.)
2. Frid.
3. Sat. 1818, Pettenkofer, Max v., b. Lichtenheim, Prof. in Munich, Ger.

THE PHARMACAL CALENDAR -1892.

DECEMBER.

31 Days.

4. Sun. 1816, Silliman, Benj., New-Haven, Prof. Louisville,
d. 14 Jan. 1885. (Mineral. Chem.)
5. Mon. 1831, Landolt, Hans, b. Zürich, Prof. Chem. in
Berlin.
6. Tues. 1778, Gay-Lussac, Louis Jos , b. St. Léonard Fr. d.
9 May, 1850 Paris.
7. Wed. 1810, Schwann, Theod , b. Neuss, Prof. Lüttich, d.
1882, Physiol. (Discov. Pepsin, anim. Cells.)
8. Thurs. 1818, Gahn, Joh. Gottl., d. Stockholm, b. 19 Aug.
1745.
9. Frid. 1742, Scheele, Karl Wilh., b. Stralsund, Sweden, d.
21 May 1781 Köping.
- 10 Sat.



THE PHARMACAL CALENDAR—1892.

DECEMBER.

31 Days.

11. Sun 1885 Wayne, Edw. S. d. Philada. Prof. Cincinnati
Coll. Phar., A. P. A.

12. Mon.

13. Tues 1891, Stas, Jean Servais, d. Brussels, Belg. Pharm
chem.

14. Wednes.

15. Thurs.

16. Frid. 1847, Miller, W. Allen, b. Ipswich, d. 1 June, 1880,
London ("Elements of Chem.")

17. Sat. 1493, Paracelsus, Theophrastus Bombastus, von
Hohenheim, b. in Maria Einsiedeln, Ger., d.
24 Sept. 1541, Salzburg.

DECEMBER.

31 Days.

18. Sun. 1725, Semler, Joh. Sal., b. Saalfeld, d. 1791. Prof.
Halle. (Alchemist.)

19. Mon.

20. Tues. 1805, Graham, Thomas, b. Glasgow, d. 16 Sept.
1869, London.

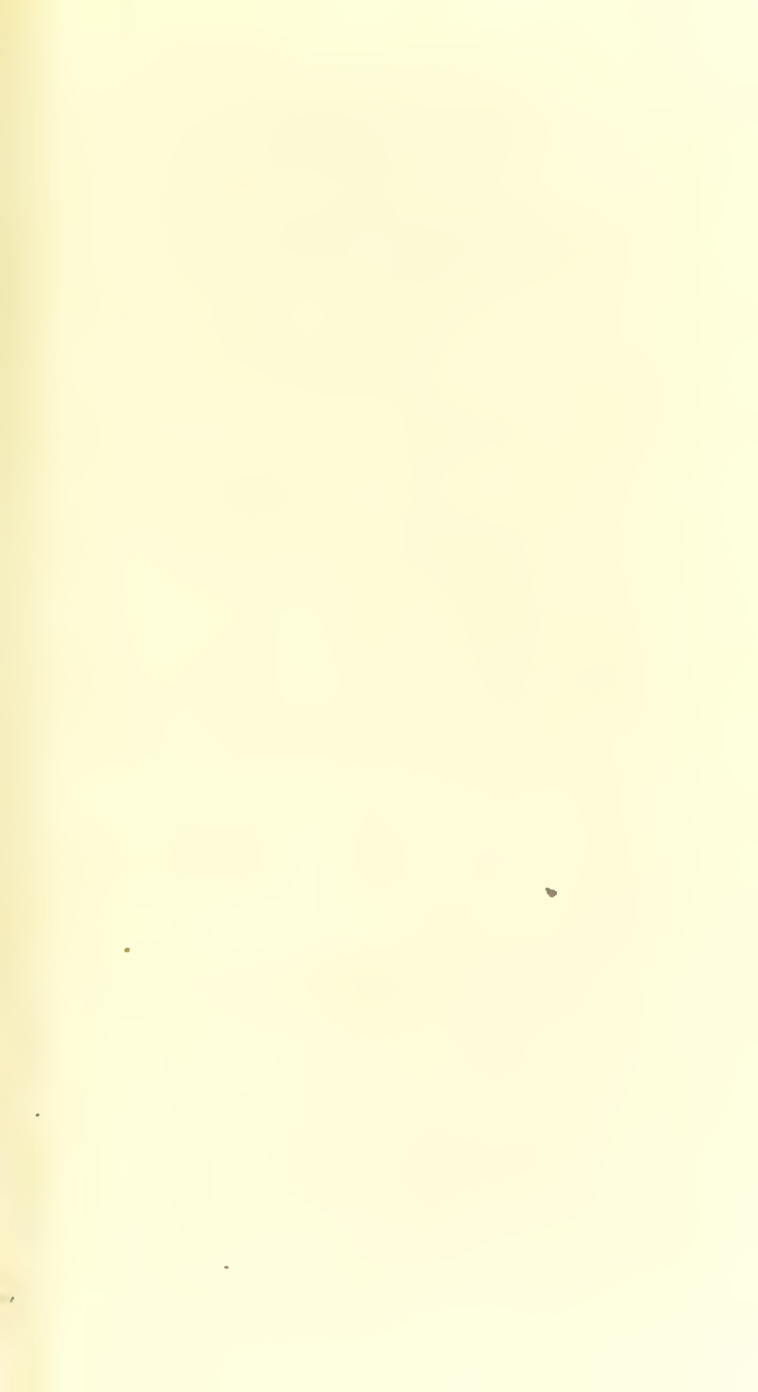
1877, Ruhmkorff, Henry Daniel, d. Paris, Fr.,
Electro Magnetism.

21. Wed.

22. Thurs. 1828, Wollaston, Will. Hyde, d. London, b. 5 Aug.
1766, in East-Dereham (discov. Pd. and Ru.).

23. Frid. 1874, Millau Jno., d. New York, Coll. Ph. pres.

24. Sat. 1818, Joule, James Prescott, b. Manchester, d. 11
Oct. 1889.



THE PHARMACAL CALENDAR—1892.

DECEMBER.

31 Days.

25. Sun. 1642, Newton, Isaac., b. Whoolstorpe, d. 20 March
1726, in London.

26. Mon.

27. Tues. 1822, Pasteur, Louis, b. in Dôle, lives in Paris.

28. Wed. 1818, Fresenius, Karl Remigius, b. Frankfurt, d.
M., Geh. Hofr. in Wiesbaden, Ger.

29. Thurs. •

30. Frid. 1876, Carson, Joseph, d. Philada, Prof. Coll. Ph.

31. Sat.

THE PHARMACAL CALENDAR—1893.

1893.

JANUARY.

31 Days.

1. Sun. 1799, Eisenlohr, Wilh., b. Pforzheim, d. 10 July, 1872,
Karlsruhe (Physics).
2. Mon. 1822, Clausius, R. J., b. Cöslin, Prof. Physics in
Bonn, d. 24 Aug. 1888.
3. Tues. 1816, Hager, Herm., b. Berlin, lives in Frankfurt
a. O. (Pharm. Chem.)
4. Wed. 1870, Gaubadan, Arthur W., d. New York, Coll.
Ph., v.-pres.
5. Thurs. 1870, Giles, Richard B., d. Clifton, Eng. Ph. Soc.
Gr. Britain, Org.
6. Frid. 1782, Pelletan, P., b. Paris, d. 1845 in Brussels.
7. Sat. 1794, Mitscherlich, Eilh., b. Neuere, d. 28 Aug.
1863, Berlin.



THE PHARMACAL CALENDAR—1892.

JANUARY.

31 Days.

8. Sun. 1642, Galilei, Galileo, d. Arcetri, Italy, b. 18 Feb. 1564, Pisa.
9. Mon. 1809, Otto, Fr. Jul, b. Grossenhayn, d. 12 Jan. 1870, Brunswick, Prof. Pharm.
10. Tues. 1890, Painter, Emlen, d. New York; San Fr. Coll. Ph.; Pres. A. P. A., 1890.
1891, Brady, Henry B., d. England, B. P. Conf.
11. Wed. 1877, Schmidt, Wm. G., d. Louisville, Ky., Coll. Ph. organiz.
12. Thurs. 1792, Arfvedson, J. A., b. Skagerholm, d. 1841, Hedensoe (Mineralog. Chem.).
13. Frid. 1861, Southall, Thos., d. England, Pharm.
14. Sat.



THE PHARMACAL CALENDAR—1893.

JANUARY.

31 Days.

15. Sun. 1817, Gorup von Besanez, Eug. Franz, b. Graz, Ger., d. 24 Nov. 1878 in Erlangen.
1891, Close, Geo. C., d. New York, Coll.Ph. 1831, A. P. A., v. p. 1865.

16. Mon. 1837, Brüning, Ad., b. Bonsdorf, d. 21 April, 1884, Frankfurt a. M. (Anilin colors.)

17. Tues. 1761, Hall, Sir James, b. Dunghast, d. 23 June, 1832, in Edinburgh. (Geolog. Chemie.)

18. Wednes. 1792, Bischof, Karl Gustav, b. Nürnberg, d. 30 Nov. 1870 Bonn (Geology).

19. Thurs. 1736, Watt, James, b. Greenock, d. 25 Aug. 1819 in Birmingham.

20. Frid.

21. Sat. 1799, Talbot, W. H. Fox, b. Lacock Abbey, d. 17 September, 1877. (Discov. Photography.)

THE PHARMACAL CALENDAR—1883.

JANUARY.

31 days.

22. Sun. 1561, Baco von Verulam, Francis, London, d. 9 April, 1626.

23. Mon.

24. Tues 1879, Geissler, Heinr., d. Bonn, 1814 in Igelshieb, Ger.

25. Wed. 1810, Wittstein, G. Chr., b. in Münden, Ger., Prof. Univ. Munich, d. June 2, 1886.

26. Thurs. 1831, De Bary, Heinr. Ant., b. Frankfurt, a. M. Prof. Botany, in Strassburg.

27. Frid.

28. Sat. 1864, Rose, Heinrich, d. Berlin, Ger., Prof. Univ. of Berlin.

THE PHARMACAL CALENDAR—1893.

JANUARY.

31 Days.

29. Sun. 1853, Jussien; Adrien de, d. France, Botanist, Pres.
Acad. Science.

30. Mon.

31. Tues. 1849, Fownes, George, d. London, b. 14 May, 1815.
chemist.
1888, Roberts, Joseph, d. Baltimore, Md. Coll.
Ph.; A. P. A. Pres., 1885.
1892, Pengra, Chas. P., d. Boston, Mass., Prof. Coll.
Ph.

FEBRUARY.

28 Days.

1. Wed. 1885, Thomas, Sidney Gilchrist, d. Paris, b. April,
1850, in London.

2. Thurs.

3. Frid. 1829, Riche, J. B., b. in Gray, Prof. Pharm. Paris,
France.
1888, Moore, J. Faris, d. Baltimore, Prof. Md. Coll.
Ph.; A. P. A., pres. 1863.

4. Sat. 1778, De Candolle, Aug. Pyramus, b. Geneva, d. 9
September, 1841.
1890, Hinselden, Adolphus Fr.; d. London, Eng. Ph.
Soc. Gr. Britain, pres.

THE PHARMACAL CALENDAR—1893.

FEBRUARY.

28 Days.

5. Sun.

6. Mon. 1804, Priestley, Jos., d. Northumberland, Penn., b.
13 March, 1733, in Eng.

7. Tues.

8. Wed. 1795, Runge, Friedlieb Ferdin., b. Hamburg, d. 27
March, 1867, in Oranienburg.

9. Thurs. 1808, Poggiule, b. Corsica (Physiolog. Chem.) d. 26
Aug. 1879, in Paris.

10. Frid. 1878, Bernard, Claude, d. Paris, b. 12 June, 1813, in
St. Julien.

1864, Scammon, Franklin, d. Chicago, Prof. Coll.
Ph.

1874, Procter, Wm., Jr. d. Phil., Prof. Coll. Ph.;
nestor Am. Pharmacy.

11 Sat.

THE PHARMACAL CALENDAR—1893.

FEBRUARY.

28 days.

12. Sun. 1809, Darwin, Charles Rob., b. Shrewsbury, d. 19 April, 1882, in London.
13. Mon. 1807, Pelouze, Theophile Jul., b. Valognes, d. 31 May, 1867, in Paris.
1885, Gellatly, Wm. d. New York, W. D.; W. H. S. & Co.
14. Tues. 1871, Massot, Eugene L., d. St. Louis; org. Cell. Ph.; A. P. A. V. pres. 1862.
15. Wed. 1802, Malaguti, Faustino, b. Bologna, d. 26 April, 1878, in Rennes. s
16. Thurs. 1879, Dorvault, F. L. M., d. Paris, F. L'officine, L'union Pharm.
17. Frid. 1740, Saussure, Horace Benedict, de, b. Geneva, 22 Jan. 1799.
18. Sat. 1564, Galilei, Galileo, b. Pisa, d. 8 Jan. 1642, Italy.



THE PHARMACAL CALENDAR—1893.

FEBRUARY.

28 Days.

19. Sun. 1799, Reich, Ferd., b. Bernburg, d. 27 April, 1882, in
Freiberg, Ger.

20. Mon. 1694, Voltaire, Franc., Marie Arouet de, d. 30 May,
1778, in Paris.

21. Tues. 1818, Wilson, G., b. Edinburgh, d. 22 Nov. 1859.

22. Wed.

23. Thurs. 1603, Caesalpinus, Andreas, d. Rome, b. 1519,
Arezzo, Prof. Medicine and Philosophy in Pisa.
1880, Wiggers, Heinr., A. L.; d. Prof. Gottingen,
Ger.

24. Fri. 1811, Pöligot, Eug. Melchior, b. Paris, Prof. Chem.

25. Sat.

THE PHARMACAL CALENDAR—1893.

FEBRUARY.

28 Days.

26. Sun. 1879, Sonnenschein, Franz, d. Berlin, Ger. Prof.
Chem.

27. Mon.

28. Tues. 1859, Tully, W., d. Springfield, Mass., Therapeutist.
(Powder.)











